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OCEANOGRAPHY OF
THE GRAND BANKS REGION OF
NEWFOUNDLAND

1975

David G. Mountain

April 1978
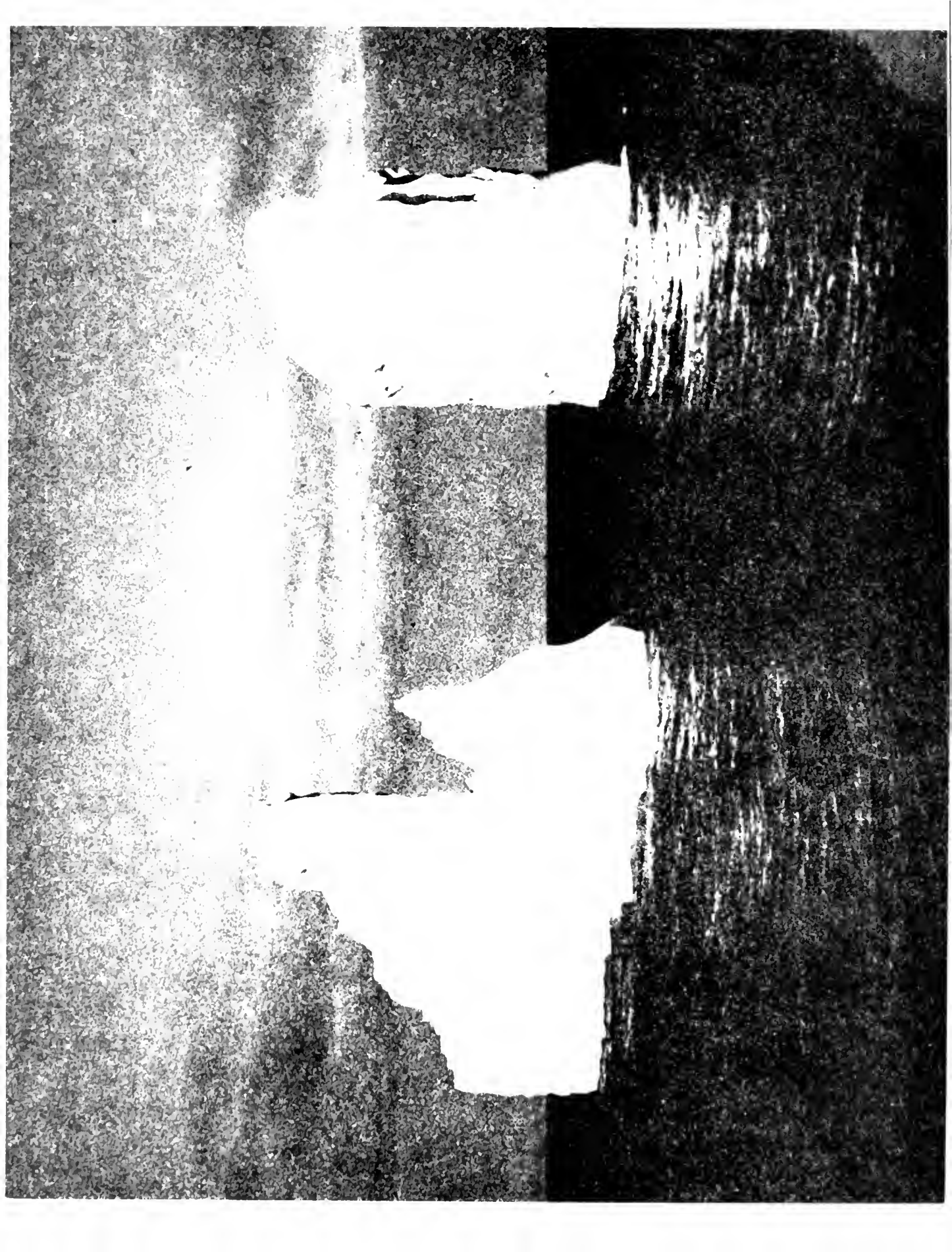
ABSTRACT

During 1975 five oceanographic cruises were made by the U.S. Coast Guard to the Grand Banks region. During April (IIP–1–75) a large anti-cyclonic eddy was observed between the Labrador Current and the North Atlantic Current. The eddy appeared to move southward and rejoin the North Atlantic Current. Six occupations of standard section A3, spaced throughout the year, revealed a relatively smooth pattern of variation for the Labrador Current with maximum southward transport and minimum water temperature in April changing to minimum transport and maximum temperature in November. However, repeated occupation of standard section A1 over a 54 hour period indicated that large variations in the Labrador Current transport do occur over short time scales.

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REGION OF NEWFOUNDLAND

1975

DAVID G. MOUNTAIN

INTRODUCTION

During 1975 five oceanographic cruises were made by the U.S. Coast Guard to the Grand Banks region (fig. 1). The majority of data presented were obtained during two cruises by the International Ice Patrol (April and May-June 1975) aboard the USCGC EVERGREEN (WAGO 295). These observations were made in support of Commander, International Ice Patrol to aid in the prediction of the drift of icebergs into the North Atlantic. Three additional cruises were conducted in connection with the Coast Guard Standard Section Program. Standard Sections A2, A3, and A4 were occupied in February and August by the USCGC CHASE and in November by the USCGC HAMILTON. In each case sections A3 and A4 were extended seaward of the limits shown in figure 1. A summary of the observations made on each cruise is given in Table 1.

INTERNATIONAL ICE PATROL CRUISES

April Cruise: The first Ice Patrol cruise included two oceanographic surveys. The first survey (4–15 April) consisted of sections A3C, A3B, A3A, A3, and A2B (fig. 1), while the second (21–25 April) reoccupied sections A3, A3A, and A3B. A total of 90 oceanographic casts were made using an salinity, temperature, depth environmental profiling system (STD) to yield IIP stations 11690–11779.

On April 12, during the first survey, a subsurface mooring with two current meters, deployed in June 1974, was recovered. The mooring was located at 44°41.7′N, 48°55.0′W in 587 fm (1086 m) of water. Discussion of the data from these current meters is contained in Weir (1977). Between the STD surveys a subsurface moored current meter array was deployed on 19 April 1975 in 165 fm (305 m) of water at 45°44.0′N, 48°06.7′W. The mooring, which was retrieved in June 1975 on the second IIP cruise, is described in section Current Meter Measurements. Following the deployment, a series of casts were made around the mooring site using a conductivity, temperature, depth environmental profiling system (CTD), to allow comparison of the directly measured currents and the calculated geostrophic currents.

During transit to and from the Grand Banks region an expendable bathythermograph (XBT) survey was conducted for the National Marine Fisheries Service. When the CGC EVERGREEN was between 65°W and 70°W, an XBT was taken every hour. Forty-five such XBT measurements were made on the April IIP cruise.

The scientific party for the first IIP cruise was

Mr. R. M. Hayes—Field Party Chief
Dr. D. G. Mountain—Watch Supervisor
MSTC R. L. Lindsay—Watch Supervisor
MST1 M. Alles
MST2 P. Setser
MST3 G. Patrick
MST3 P. Christensen
MST3 D. Startt
MST3 S. Pepovitch
ET3 L. Haney

May-June cruise: The second IIP cruise consisted of three segments. The first began with an intensive STD survey in a 66x60 mile grid, the southwest corner of which was located at 43°50′N, 49°15′W. The grid, which contained five east-west sections of eight stations each, was occupied between 26–28 May. The survey was

conducted to provide input to a real-time numerical model of the Labrador Current (Kollmeyer, 1975). Following occupation of sections A3, A2B, and A2C, the intensive survey was repeated between 3–6 June to allow for the verification of the numerical model.

The second segment of the cruise involved a dual ship study of iceberg drift. While the USCGC SHERMAN (WHEC 720) stood by a medium size iceberg as it drifted, the CGC EVERGREEN made four sections, totaling 43 STD stations, perpendicular to the path of the iceberg's drift. The final section occupied coincided with IIP standard section A1A. The iceberg was followed for a period of four days (15–19 June).

During the final segment of the second IIP cruise the current meter array deployed on 19 April 1975 was recovered on 27 June 1975. On 28 June Standard Monitoring Section A1 was occupied beginning at the shallow (West) end. The trackline was then retraced dropping an XBT probe approximately every mile (57 XBT casts) after which section A1 was repeated on 1 July.

Hourly XBT measurements were again made for the National Marine Fisheries Service under the same guidelines applied to the first cruise. These data are presented in Cook (1975).

The scientific party for the second IIP cruise was

      LCDR R. Scobie—Field Party Chief
      MSTC N. Lemoine—Watch Supervisor
      MSTC R. Lindsay—Watch Supervisor
      MST1 A. Filo
      MST1 M. Alles
      MST3 S. Friday
      MST3 D. Startt
      MST3 S. Popovitch
      SNMST J. Murdy
      SNMST K. Munzert
      SNMST J. Ferguson
      ET2 J. Ogle

Standard Section Occupations—A2, A3, A4

The USCGC CHASE (WHEC 718) occupied standard sections A2, A3, and A4 between 2–17 February. The measurements were made using Nansen bottles with deep sea reversing thermometers. The CGC CHASE reoccupied these same sections between 30 August–4 September using

an STD profiling system. A third occupation of standard sections A2, A3, and A4 was accomplished by the USCGC HAMILTON (WHEC 715) from 15 to 23 November using Nansen bottles with reversing thermometers.

INSTRUMENTS AND METHODS

IIP Cruises: The STD measurements were made with a Plessey 9040 STD profiling system. The three analog FM signals from the STD deck unit (depth, temperature, and salinity) were converted to binary decimal frequency values (integer cycles per second) by General Radio Model 1192 frequency counters and digitized by a Sonycraft Co. Digital Data Logger (DDL). The digitized frequency values were then recorded on ½ inch computer compatible seven track magnetic tape by a Kennedy 1600R incremental tape recorder. The observations of depth, temperature, and salinity were made simultaneously at a one second rate and recorded serially on the magnetic tape.

The recorded data was processed through a series of three programs on a CDC–3300 computer to yield the final data values listed in this report. The original data tape was input to program NEWDL which converted the frequency data to geophysical units. The converted data was both printed out and written on a separate magnetic tape. From the printout the first and last good data levels were determined, as were values for comparison with quality control samples to derive temperature and salinity correction values (see below). The NEWDL output tape was used as input to program AVMUL. This program deleted all observations in which the depth decreased from the previous observation, applied the quality control correction values, calculated sigma-t for each observation, averaged temperature and salinity values for observations at the same depth, and from those determined an average sigma-t at each depth. The output of AVMUL was both a printout and a magnetic tape. The printout was reviewed to identify bad data points which resulted in unrealistic instabilities in the water column, primarily due to the slow thermometer response time in regions of sharp thermal gradient. The stability criteria used is that established by the National Oceanographic Data Center. The AVMUL output tape was input to program FINPT which deleted selected levels, reaveraged the values at common

depths, and determined temperature, salinity, and sigma-t values at standard levels and significant points in a manner described by Rosebrook (1974). The output of FINPT represented the final form of the data as presented in this report.

For the stations occupied using a Plessey 9040 CTD profiling system the same acquisition and processing scheme was used with one modification. In program NEWDL the conductivity value was converted to a salinity value using equations developed by Brown as presented by Jaeger (1973).

The data in its final form was processed through program XPORT. This program calculated dynamic height values relative to 1000 dbar level and from those, geostrophic currents between stations on a section. Dynamic height values for stations less than 1000 m were calculated relative to a 1000 dbar reference level using a method described by Kollmeyer et. al. (1967), based on the technique developed by Helland-Hansen (1934). The method treats the sediment under the shallow stations as motionless water. The technique is subjective and introduces some uncertainty in the calculation of current and transport values, particularly for the Labrador Current which usually straddles the 1000 m isobath.

For quality control a Nansen bottle with two protected and two unprotected deep sea reversing thermometers was placed approximately three meters above the STD instrument on each cast and was tripped at the deepest depth of the cast, after allowing sufficient soak time. Surface temperature and water samples were obtained at alternate stations by bucket. Salinity values were determined by a Plessey 6220 salinometer. The difference between the Nansen bottle and the recorded STD values yielded temperature and salinity corrections. The correction values for the surface and 1000 m were plotted against time for each instrument to identify periods during which the instrument offset was fairly constant. Within each period an average temperature and salinity correction was determined. The correction values at mid-depth were used to check the shear between the surface and the 1000 m values. The surface temperature corrections were highly scattered; therefore the 1000 m values were used as a correction constant with depth and ranged from $+0.13°C$ to $-0.05°C$. The salinity cor-

rection values varied from $+0.053°/_{oo}$ to $-0.053°/_{oo}$ at the surface and $0.079°/_{oo}$ to $-0.017°/_{oo}$ at 1000 m.

Standard Monitoring Section Occupations: The standard section cruises employed both an STD system and standard Nansen bottle casts at different times. The Nansen casts were processed in accordance with CG 410. The STD data were recorded in analog form on a Leeds and Northrup ink pen recorder. The temperature and salinity values were read from the analog trace at standard levels and significant points. Temperature and salinity correction values were derived from quality control samples obtained by a Nansen bottle attached above the STD instrument and tripped at the deepest depth of the cast.

THE DATA

The STD data discussed above are presented at the end of this report. The temperature and salinity distributions along each section of stations occupied are presented in chronological order in figs. 15 to 49.

CURRENT METER MEASUREMENTS

A current meter mooring was deployed during the first IIP cruise on 19 April at 45°44.0'N, 48°06.1'W in 305 m of water. The mooring was successfully recovered during the second IIP cruise on 26 June. The deployment was accomplished from the buoy deck of the CGC EVERGREEN by an anchor-last technique.

The mooring (fig. 2) included one AMF Corporation vectoring averaging current meter (model number 610B, serial number 282), an AMF Corporation acoustic release (model 284, serial number 174), and an inclinometer, a depth gage, and a tensiometer manufactured by General Oceanics Inc. Flotation was provided by twelve 16'' corning glass balls in plastic hard hats. The mooring was designed through use of a computer program adapted from one developed by Berteau and Chhabra (1973). The results from the various instruments were to be compared against the mooring configuration predicted by the computer program.

All of the instruments functioned properly with the exception of the current meter, which malfunctioned and yielded no reliable data. Examination of the meter by the manufacturer indicated that the current meter malfunctioned

at cold temperatures comparable to the water temperature in the area of the mooring site ($<4°C$).

Due to the current meter failure, the other data obtained in connection with the mooring are not presented. The mooring line tension and inclination, and current meter depth, as recorded by the additional instrumentation, were compatible with the computer prediction for anticipated current speeds.

DYNAMIC TOPOGRAPHY

The circulation regime in the Grand Banks area is usually characterized by a cold, narrow Labrador Current flowing southward along the steep continental slope and by a warm broad North Atlantic Current flowing northeastward further off shore to the east. The corresponding dynamic topography (fig. 3) derived from monthly mean values (Scobie, 1976) is characterized by closely spaced contours indicating the two currents and widely spaced contours forming a broad dynamic trough between them.

The dynamic topography for the first IIP survey (8 to 20 April, fig. 4) indicates the Labrador Current flowing southward over the steep slope along the eastern edge of the Grand Banks, generally between the 500 and 2000 m isobaths. The maximum geostrophic velocities in the current ranged from 28–65 cm/sec at the different sections. Along the eastern edge of the survey area the North Atlantic Current flowed northeastward with speeds of 45–75 cm/sec. Between the two currents was a large (130 km diameter) anticyclonic eddy, centered at 44°30'N, 48°00'W. The presence of the eddy was likely responsible for a portion of the Labrador Current being diverted to the east along the northern side of the eddy. The warm core eddy probably was shed from the North Atlantic Current in a manner similar to that observed on the north side of the Gulf Stream (Saunders, 1971). The temperatures and geostrophic current across section A3A (figs. 20a and c), which passed through the eddy, indicate that the eddy structure extended at least to 1000 m depth. If a significant secondary circulation was driven by viscous forces within the eddy, the secondary flow at the surface would be radially outwards. The implication would be that icebergs would tend to remain on the periphery of the eddy and not be drawn to the eddy interior.

The Labrador Current during the second survey (21–25 May), as revealed by the dynamic topography (fig. 5), changed little from the first survey. The anticyclonic eddy appeared to have moved southeastward and rejoined the North Atlantic Current, although the limited nature of the survey precludes full delineation of the feature. This southeastward movement of the eddy approximately paralleled to local bottom topography, which would be expected for bathymetrically controlled eddy movement (Warren, 1967). Estimation of the speed of the movement is difficult since the eddy could have intersected the North Atlantic Current at any time between the surveys. The displacement of the eddy/meander center over the time between the surveys yields a speed of only 1 cm/sec.

The dynamic topography for both intensive surveys (figs. 6 and 8) indicate the Labrador Current flowed south over the steep continental slope, as is normally observed. Both also indicate that the North Atlantic Current entered the area from the southeast, turned clockwise, and exited to the northeast. The major change which occurred in the 8–10 days between the observations was that the dynamic trough between the Labrador Current and the North Atlantic Current deepened (970.92 dyn m to 970.88 dyn m) and extended southward. The standard sections occupied between the intensive surveys (fig. 7) suggest that the curving of the North Atlantic Current in figs. 6 and 8 was part of an eddy/meander feature similar to that observed in the April surveys.

The standard sections occupied in February, August, and November do not allow contouring of the dynamic topography due to the large spatial separation between the sections. The dynamic height values for each survey are plotted in figs. 9, 10, and 11, with the direction of the surface geostrophic current indicated by an arrowhead.

LABRADOR CURRENT TRANSPORT

The spatial and temporal variations of the transport of water by the Labrador Current may be investigated by comparing the calculated geostrophic volume transports at the various sections occupied. Due to inherent inaccuracies in the method of calculation, the variations are likely significant only in their general trend and not in their exact magnitude. The minimum tempera-

ture observed and three measures of the Labrador Current transport (total, $<2°C$, $<0°C$) are given in Table II for each of the sections occupied.

Considering sections occupied nearly simultaneously (within the same survey) a general decrease in transport and increase in minimum temperature is noticed in going from north to south. These spatial changes are expected since, as the water in the current moves southward, it continuously mixes with the warmer water offshore in the North Atlantic Current to form a large pool of mixed water (Hawley and Soule, 1940) in the dynamic trough between the two currents. The decrease in southward transport suggests that no major contribution is made to the Labrador Current by water from the Grand Banks region to the west. Apparent influxes of water from the Grand Banks indicated in the dynamic topography (e.g., fig. 6) are likely due to a lack of synopticity in the data, as well as being an artifact of the extrapolation technique used in shallow water.

The temporal change in the Labrador Current transport is seen by comparing the values at section A3, which was occupied six times during the year (fig. 13). All three measures of the volume transport increase to a maximum in April and decrease during the rest of the year. The maximum total southward transport in April is

approximately twice the minimum value in November. The minimum temperature also exhibits extremes in April and November, with the April value being more than two degrees colder than observed in November.

A second view of the temporal change in the Labrador Current is obtained from the three occupations of section A1 (two by STD, one by XBT) within a 58 hour period. The geostrophic currents indicate an increase in transport, particularly of cold ($<0°C$) water, over that time. The temperature cross sections (figs. 14, 39A, and 40A) show the area of cold water increasing with time. The $-1°C$ envelope extended eastward more than 20 km over the outer shelf during the period. The XBT section temperature distribution, while more patchy, is intermediate between the STD observations, suggesting that a progressive change was occuring in the Labrador Current properties. The implication is that, while a fairly smooth yearly pattern may be evident in fig. 13, significant changes in water properties and volume transport do occur on relatively short time scales. Similar results have been obtained by repeated occupation of section A3 closely spaced in time (Wolford, 1966).

Table I—SUMMARY OF 1975 OCEANOGRAPHIC OBSERVATIONS

International Ice Patrol Cruises

	DATE	SECTION	OBS	METHOD
EVERGREEN _____	4/8–15	A3C, A3B, A3A, A3, A2B	55	STD
	4/21–25	A3, A3A, A3B	35	STD
	5/26–28	Intensive Survey I	40	STD
	5/29–6/1	A3, A2B, A2C	34	STD
	5/3–6	Intensive Survey II	40	STD
	6/15–19	Iceberg Drift	43	STD
	6/29	A1	12	STD
	6/30	A1	57	XBT
	6/30–7/1	A1	12	STD

Standard Section Cruises

	DATE	SECTION	OBS	METHOD
CHASE _____	2/2–17	A2, A3, A4	36	Nansen Bottle
CHASE _____	8/30–9/2	A2, A3, A4	34	STD
HAMILTON _____	11/15–23	A2, A3, A4	43	Nansen Bottle

Table II—LABRADOR CURRENT VOLUME TRANSPORT ESTIMATES

SECTION	MINIMUM TEMPS (°C)	VOL (x10⁶ m³/sec) NET	<2°C	<0°C
HP-1-75				
A3C	−1.44°	3.92	1.77	0.21
A3B	−1.46°	7.40	0.28	0.01
A3A	−1.39°	1.37	1.09	0.44
A3	−1.58°	2.73	2.53	1.46
A2B	−1.59°	2.46	2.35	1.26
A3	−1.45°	3.64	2.41	0.00
A3A	−1.39°	1.91	1.89	0.00
A3B	−1.33°	2.10	2.05	0.00
HP-2-76				
Intensive Survey I				
a	−1.18°	4.45	3.16	0.95
b	−0.99°	3.98	3.34	0.96
c	−1.11°	1.13	0.97	0.15
d	−1.45°	2.58	2.07	0.78
e	−1.17°	4.93	2.79	1.17
A2A	−1.42°	1.66	1.43	0.30
A2B	−1.47°	1.97	1.51	0.30
A3	−0.92°	3.06	2.07	0.01
Intensive Survey II				
a	−1.34°	3.77	2.97	0.65
b	−1.32°	3.29	1.51	0.41
c	−0.47°	1.56	1.31	0.00
d	−1.37°	0.77	0.76	0.03
e	−0.42°	2.44	1.79	0.00
A1-1	−1.57°	2.49	1.14	0.19
A1-2	−1.60°	2.87	1.50	0.91
STANDARD SECTION CRUISES				
February				
A2	−1.33°	2.83	1.57	0.69
A3	−1.16°	2.12	1.45	0.86
A4	−0.46°	2.91	1.92	0.00
August				
A2	−1.52°	2.52	1.07	0.45
A3	−1.19°	2.05	2.05	0.45
A4	−0.76°	0.34	0.34	0.10
November				
A2	−0.18°	2.03	0.33	0.00
A3	+0.51°	1.69	0.04	0.00
A4	+2.39°	1.79	0.00	0.00

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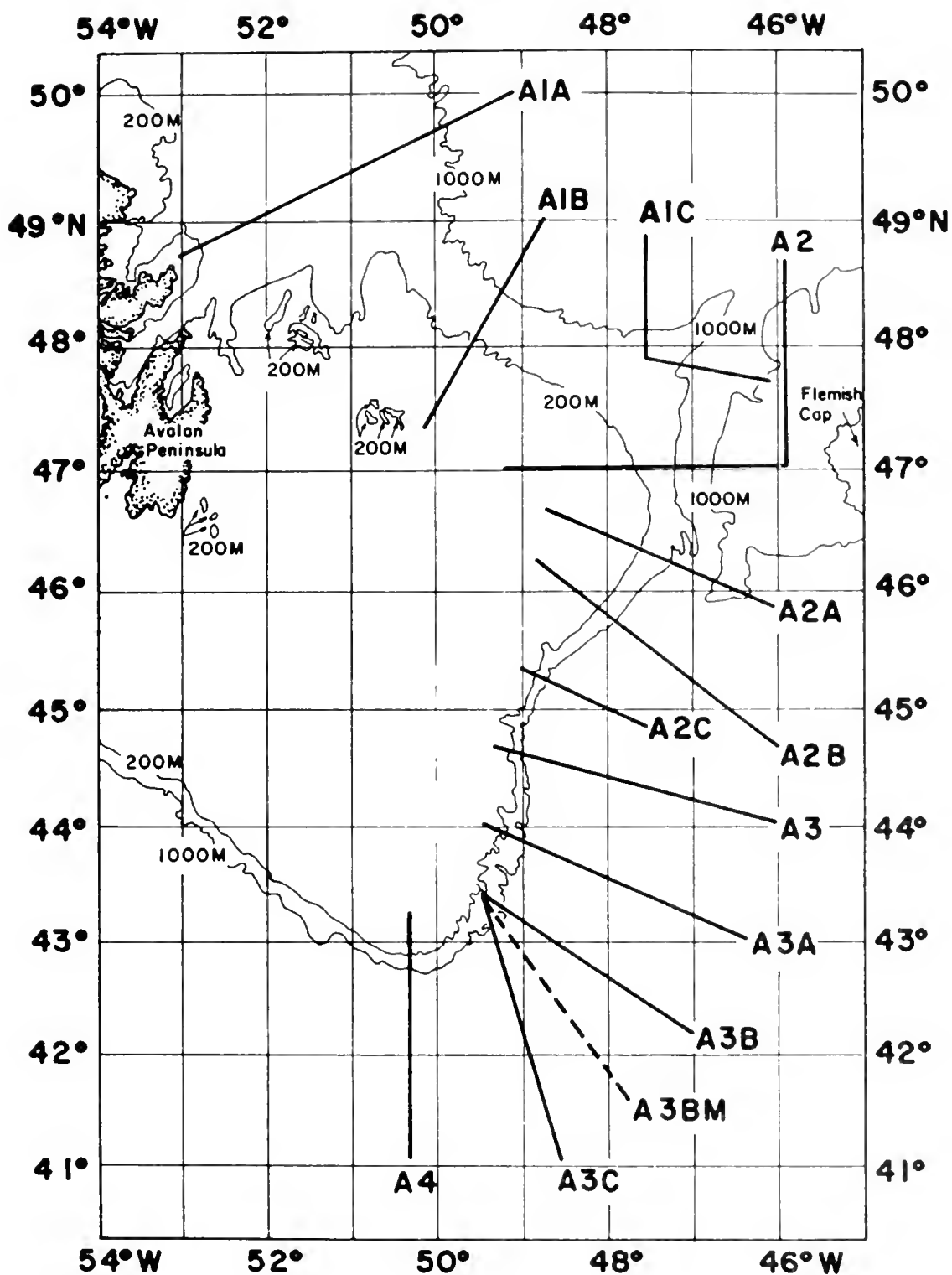
FIGURE 1. Locations of Standard and International Ice Patrol monitoring sections near the Grand Banks of Newfoundland.

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SEA SURFACE

RECOVERY FLOAT ARRAY — -230m

⁵/₈" PLAITED NYLON

6-16" GLASS BALLS
DEPTH RECORDER
VACM CURRENT METER — -255m
RECORDING INCLINOMETER

⁵/₈" PLAITED NYLON

6-16" GLASS BALLS
TENSION RECORDER
AMF ACOUSTIC RELEASE — -295m
⁵/₈" PLAITED NYLON
³/₄" CHAIN
2000 LB CONCRETE SINKER — -305m

ORANGE FLAG
STAINLESS STEEL ROD
XENON FLASHER
TRANSMITTER
18" SYNTACTIC FOAM FLOAT
³/₁₆" WIRE
15 LBS LEAD
⁵/₈" SLING LINK
⁵/₈" PLAITED NYLON

FIGURE 2. Schematic diagram of current meter mooring deployed during 1975.
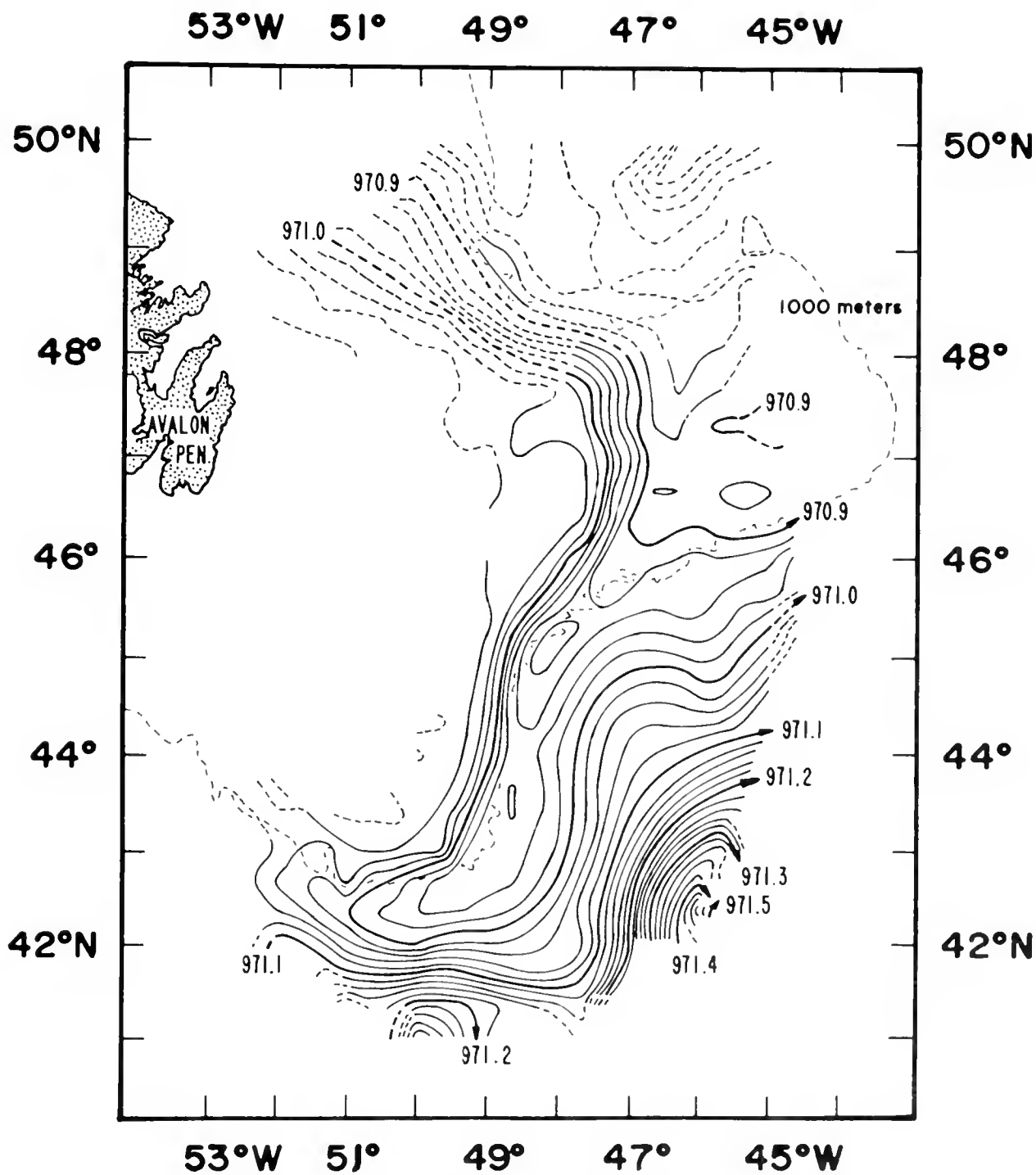
FIGURE 3. Normal dynamic topography of the sea surface relative to 1000 decibars for April (Scobie, 1976). Contour interval is 2 dynamic centimeters.
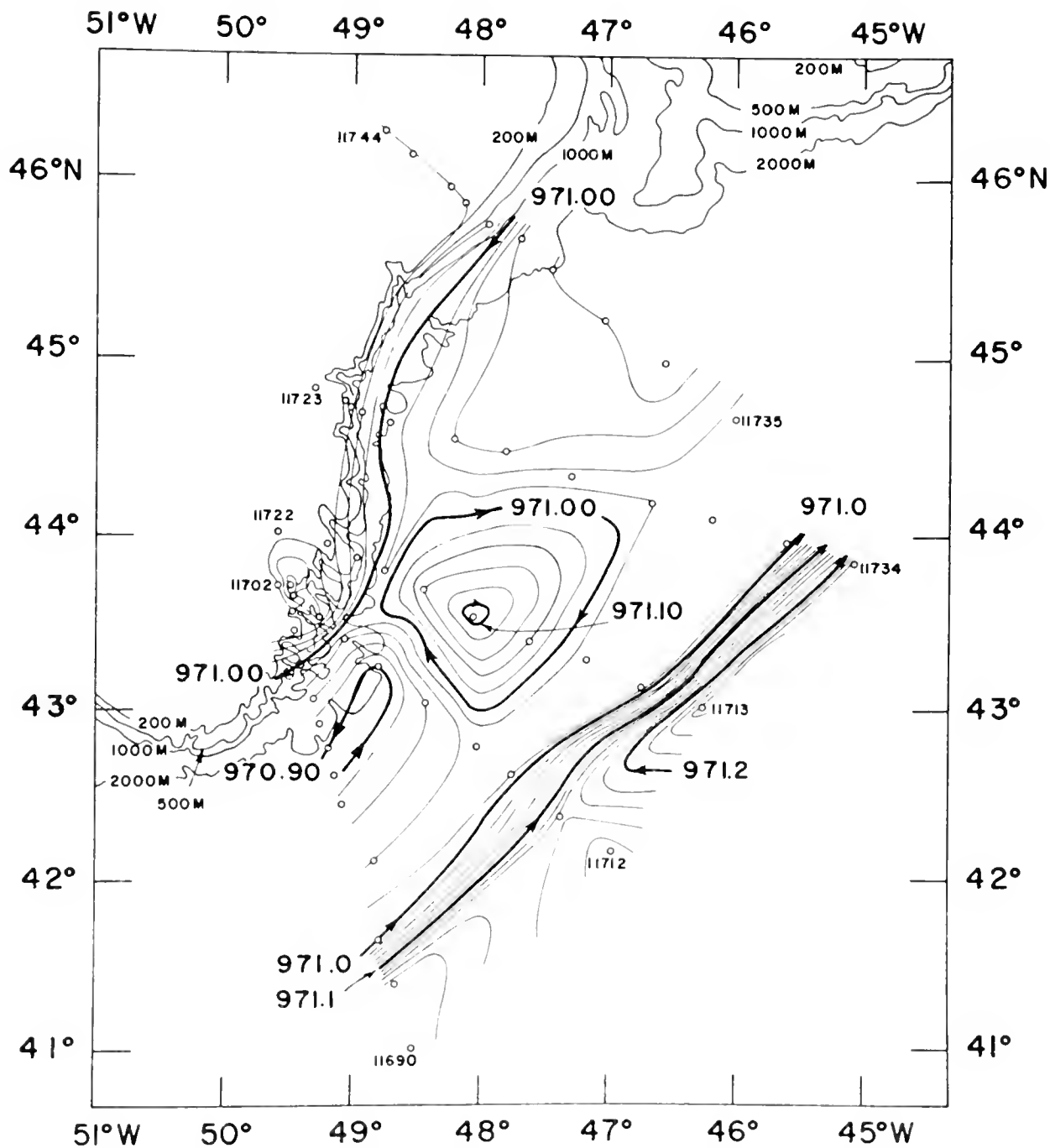
FIGURE 4 Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 4–15 April. Oceanographic station positions are indicated and station numbers are given at turning points. Heads of arrows indicate direction of geostrophic current.
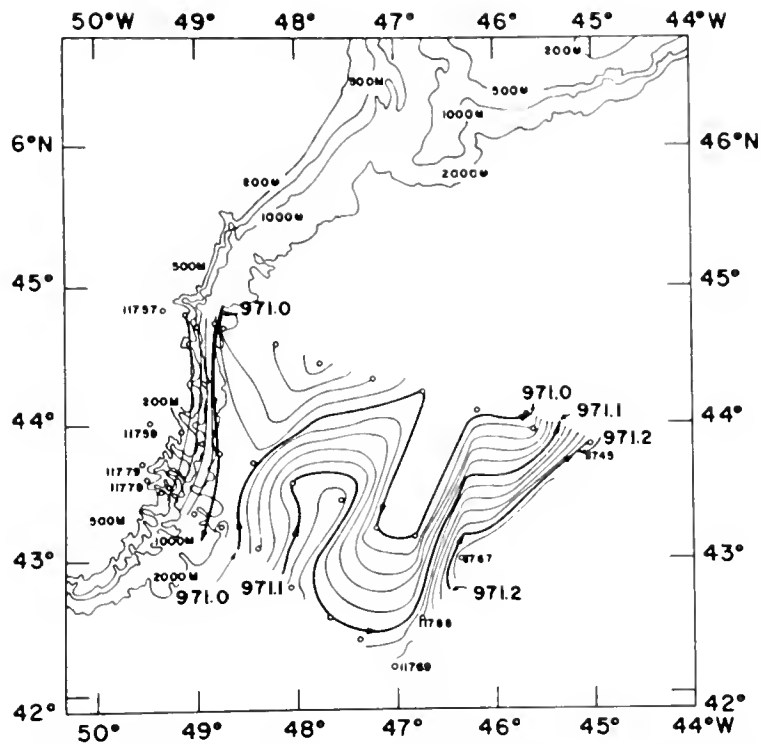
FIGURE 5. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 21–25 April. Oceanographic station positions are indicated and station numbers are given at turning points. Heads of arrows indicate direction of geostrophic current.
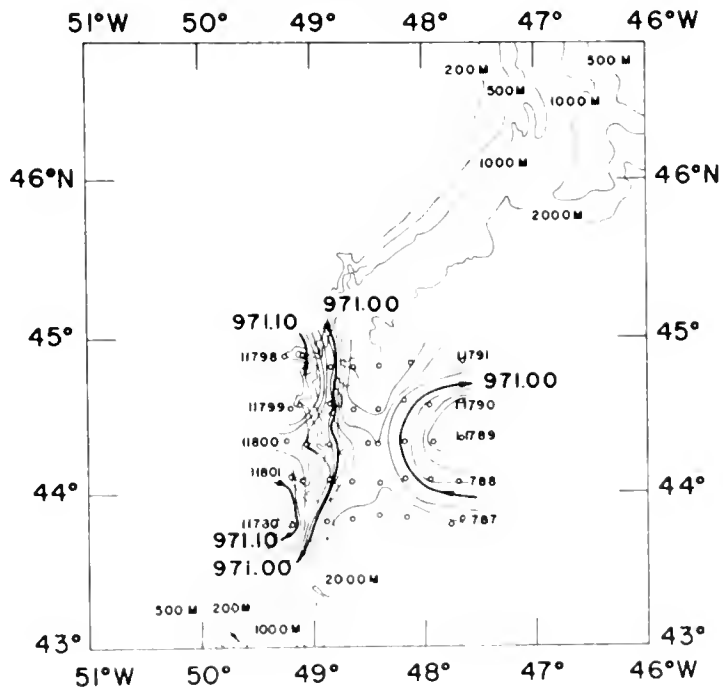
FIGURE 6. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 26–28 May. Oceanographic station positions are indicated and the station numbers are given at turning points Heads of arrows indicate direction of geostrophic current.
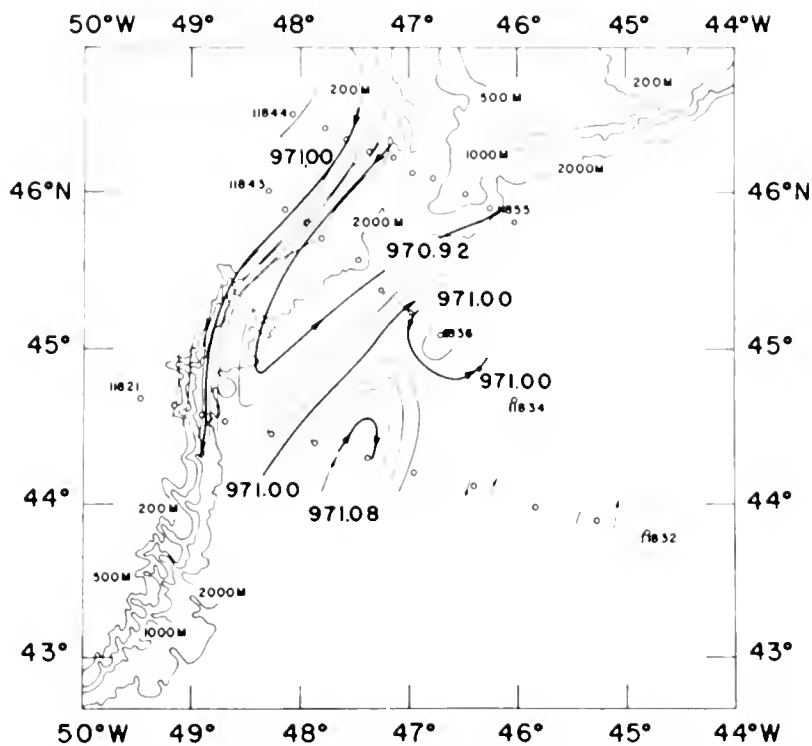
FIGURE 7. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 29 May–1 June. Oceanographic station positions are indicated and the station numbers are given at turning points. Heads of arrows indicate direction of geostrophic current.
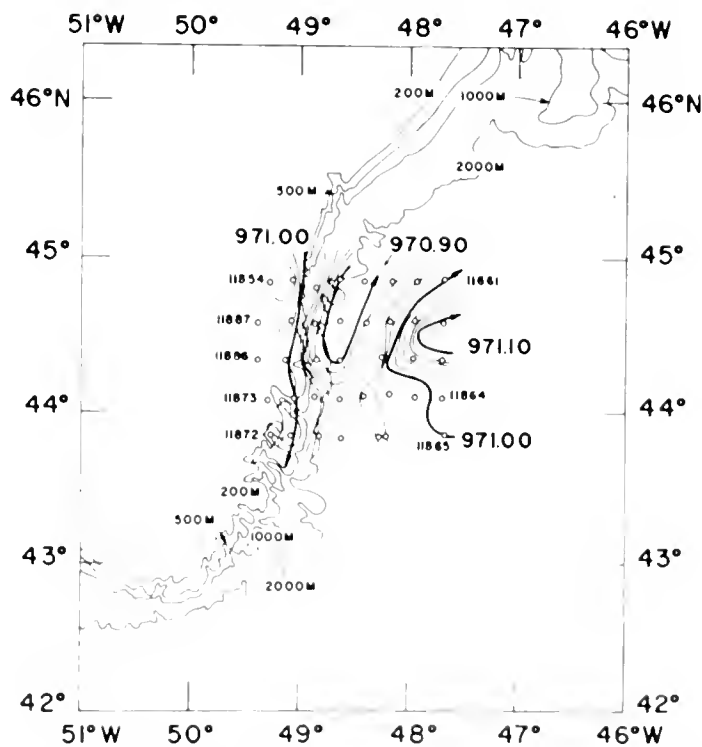
FIGURE 8. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 3–6 June. Oceanographic station positions are indicated and the station numbers are given at turning points. Heads of arrows indicate direction of geostrophic current.
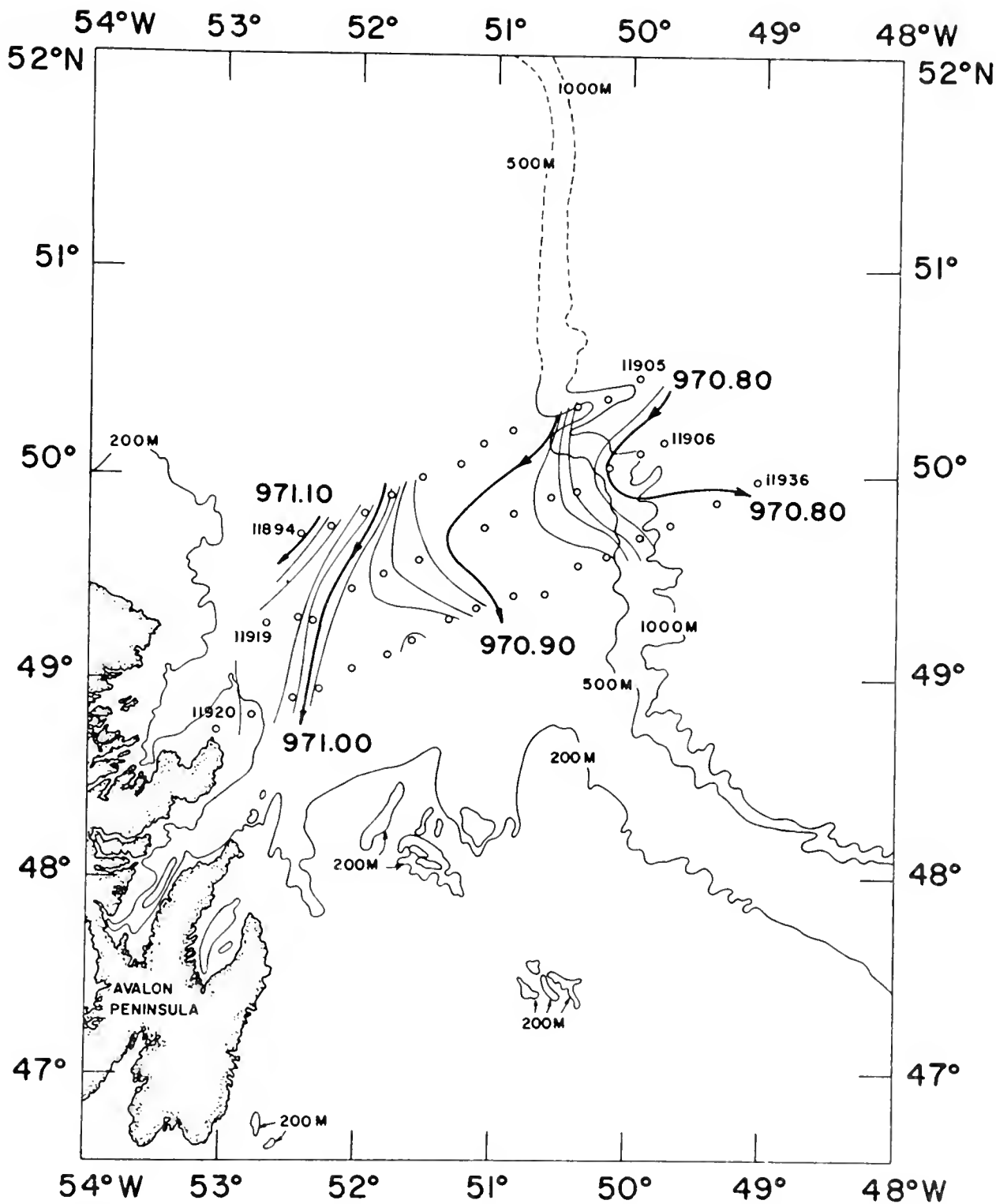
FIGURE 9. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC EVERGREEN, 16–17 June. Oceanographic station positions are indicated and the station numbers are given at turning points. Heads of arrows indicate direction of geostrophic current.
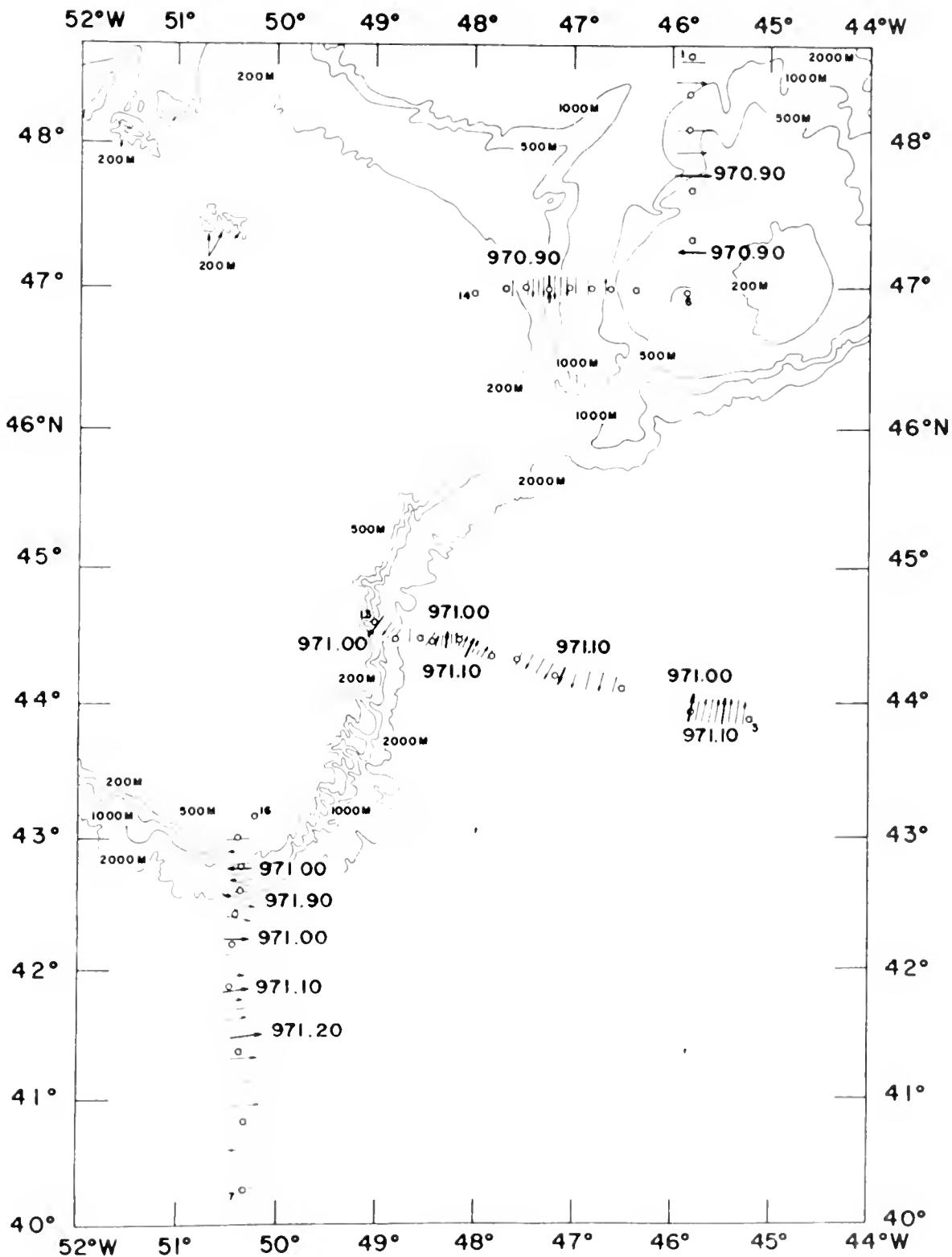
FIGURE 10. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC CHASE, 2-17 February. Oceanographic positions are indicated. Heads of arrows indicate direction of geostrophic current.
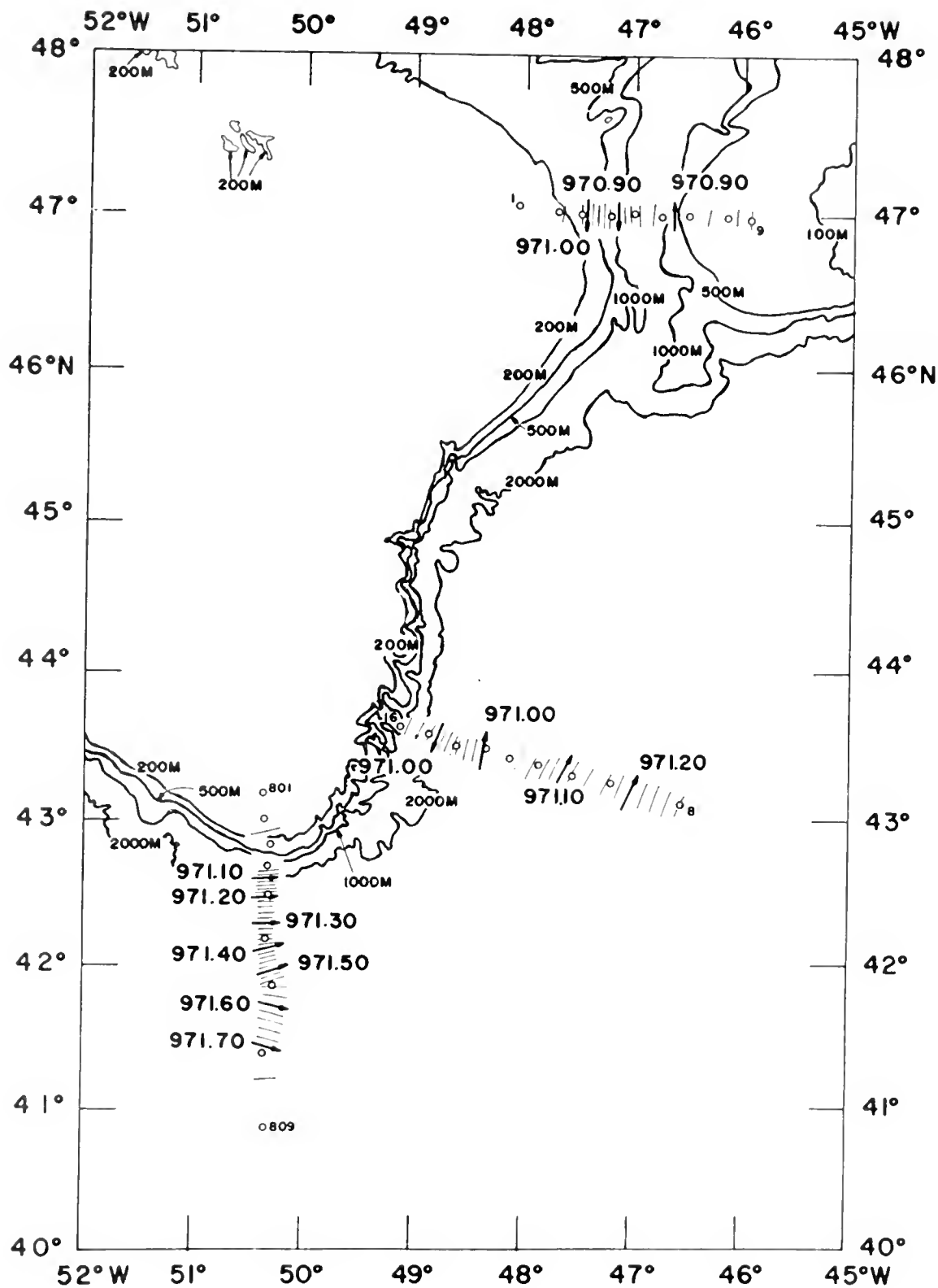
FIGURE 11. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC CHASE, 30 August–4 September. Oceanographic positions are indicated. Heads of arrows indicate direction of geostrophic current.

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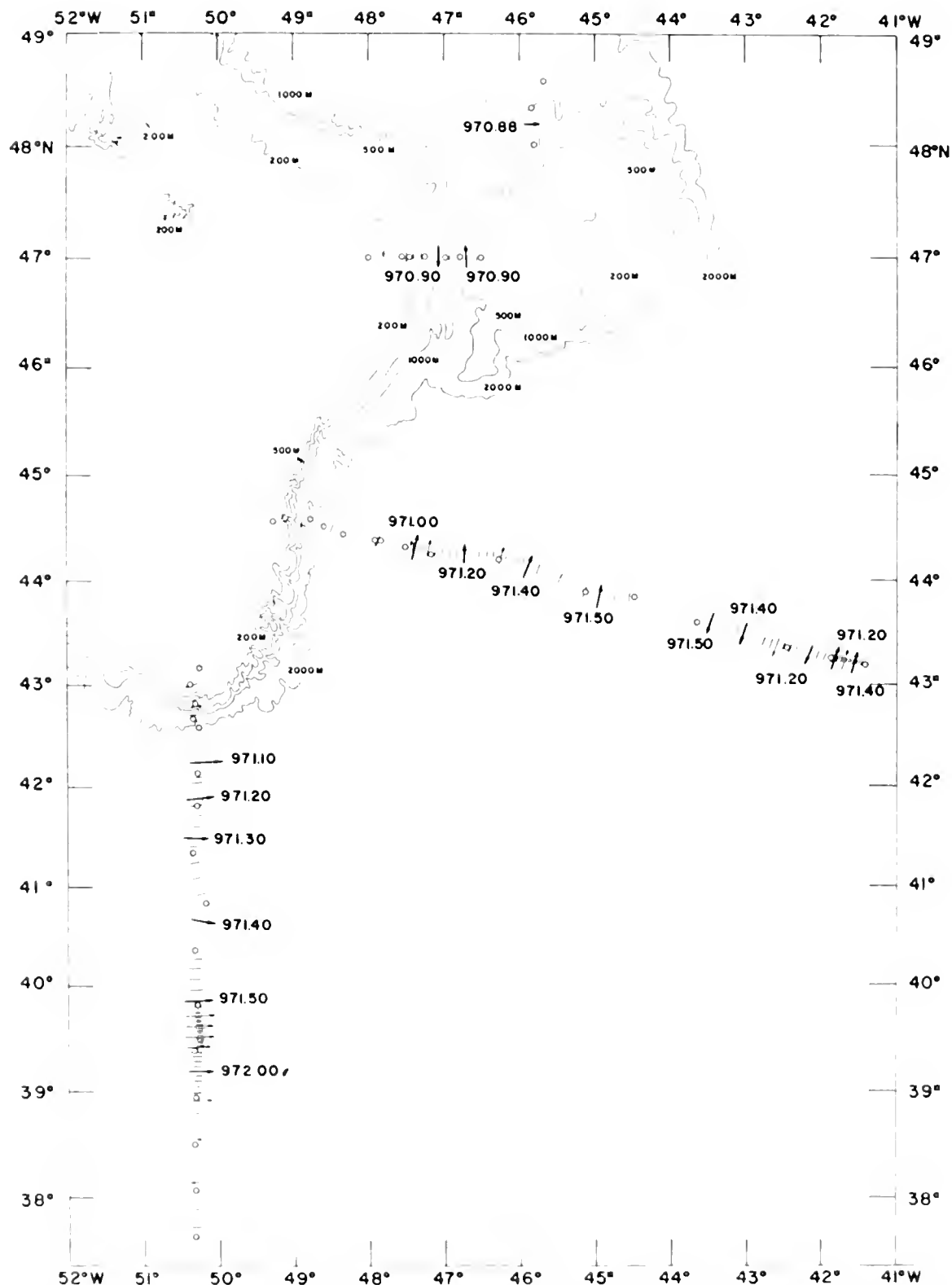
FIGURE 12. Sea surface dynamic topography relative to 1000 decibars, from data collected by CGC HAMILTON, 15–23 November. Oceanographic station positions are indicated. Heads of arrows indicate direction of geostrophic current.
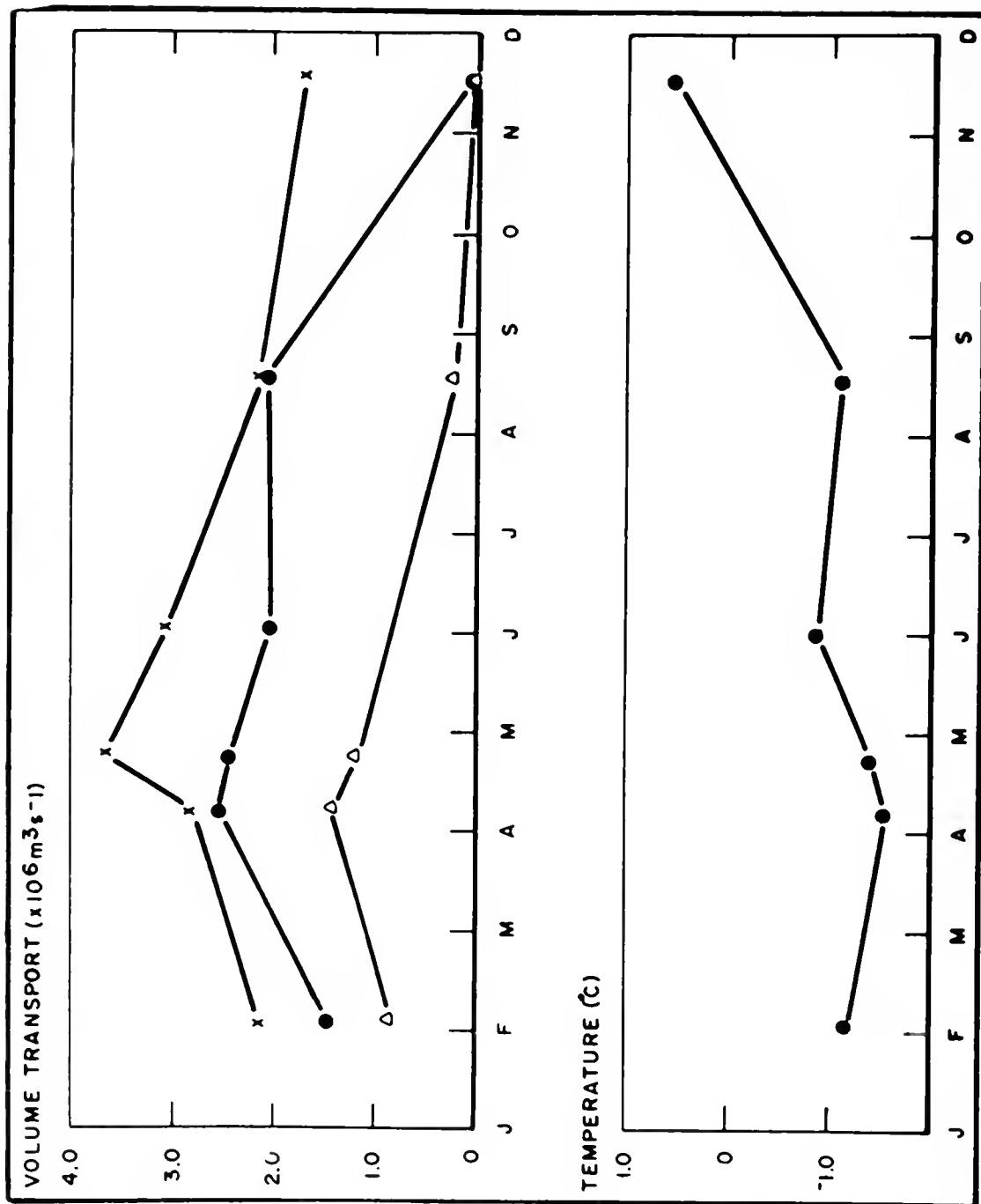
FIGURE 13. Total volume transport (x — x), transport of water <2°C (.--.), transport of water <0°C (Δ··Δ), and minimum temperature (°C) measured at section A3 during 1975.

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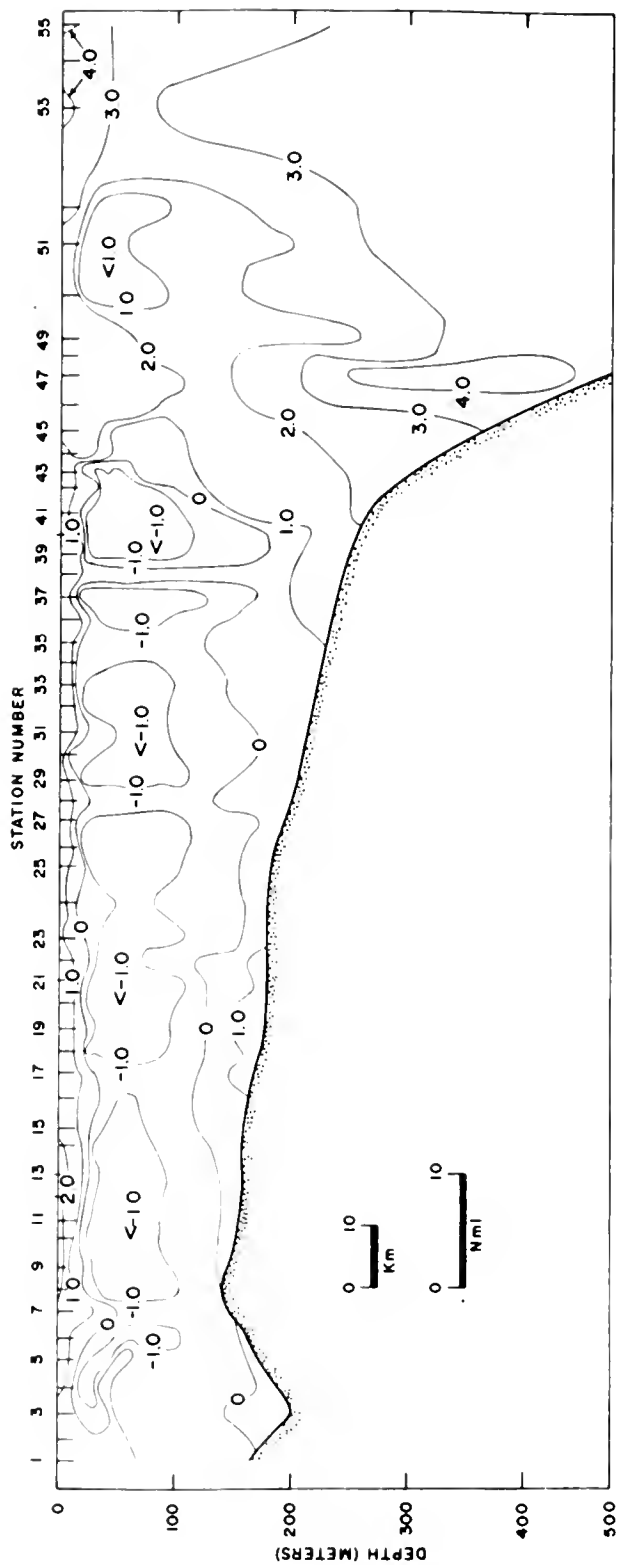
FIGURE 14. Vertical temperature (°C) profile for Section A1 derived from 54 XBT observations on 30 June.
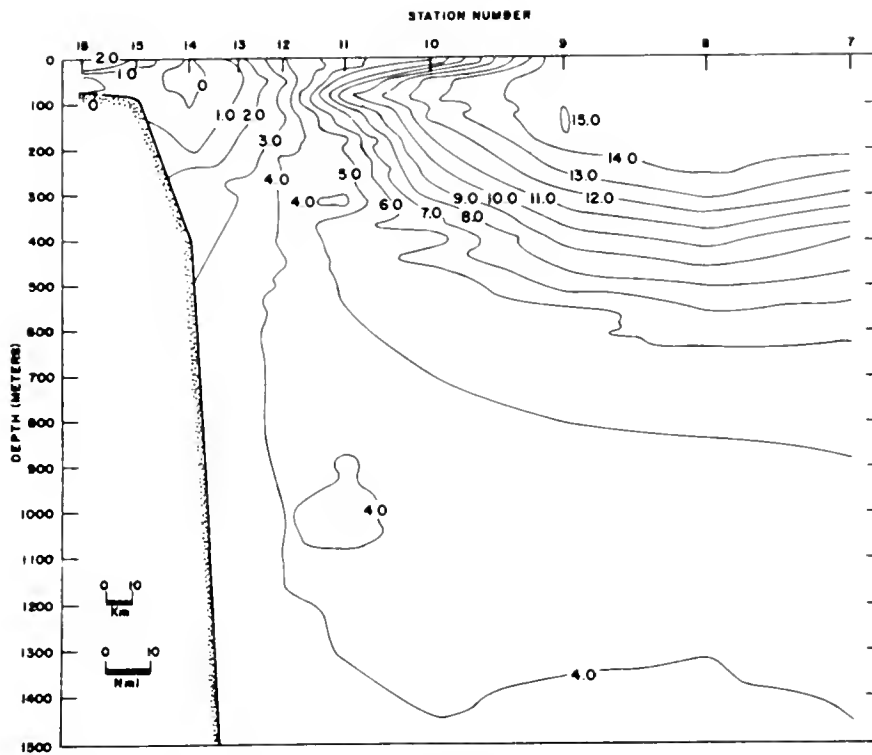
FIGURE 15a. Vertical temperature (°C) profile for section A4 from data obtained by CGC CHASE, 8–9 February 1975.
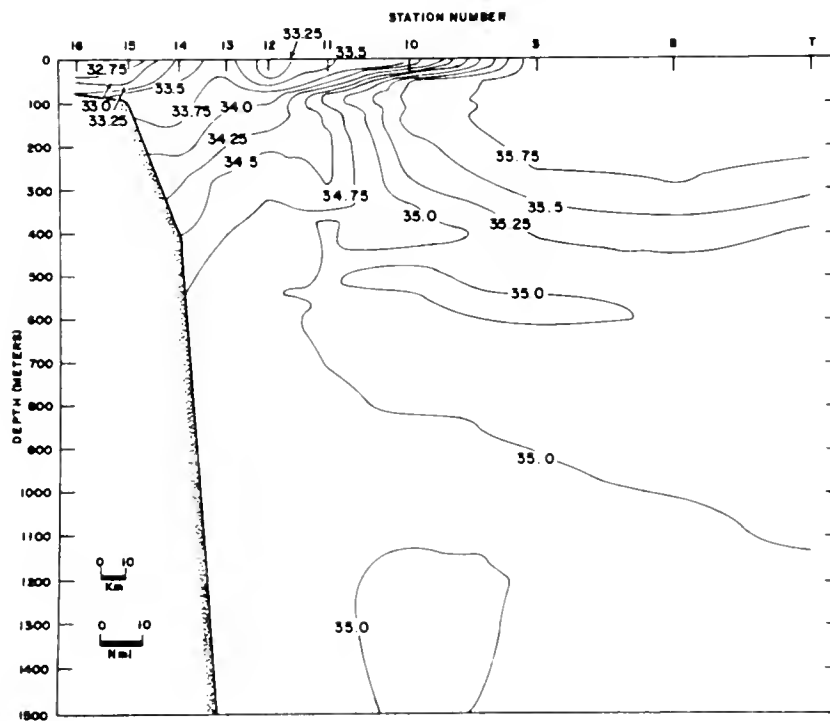
FIGURE 15b. Vertical salinity (°/₀₀) profile for section A4 from data obtained by CGC CHASE, 8–9 February 1975.
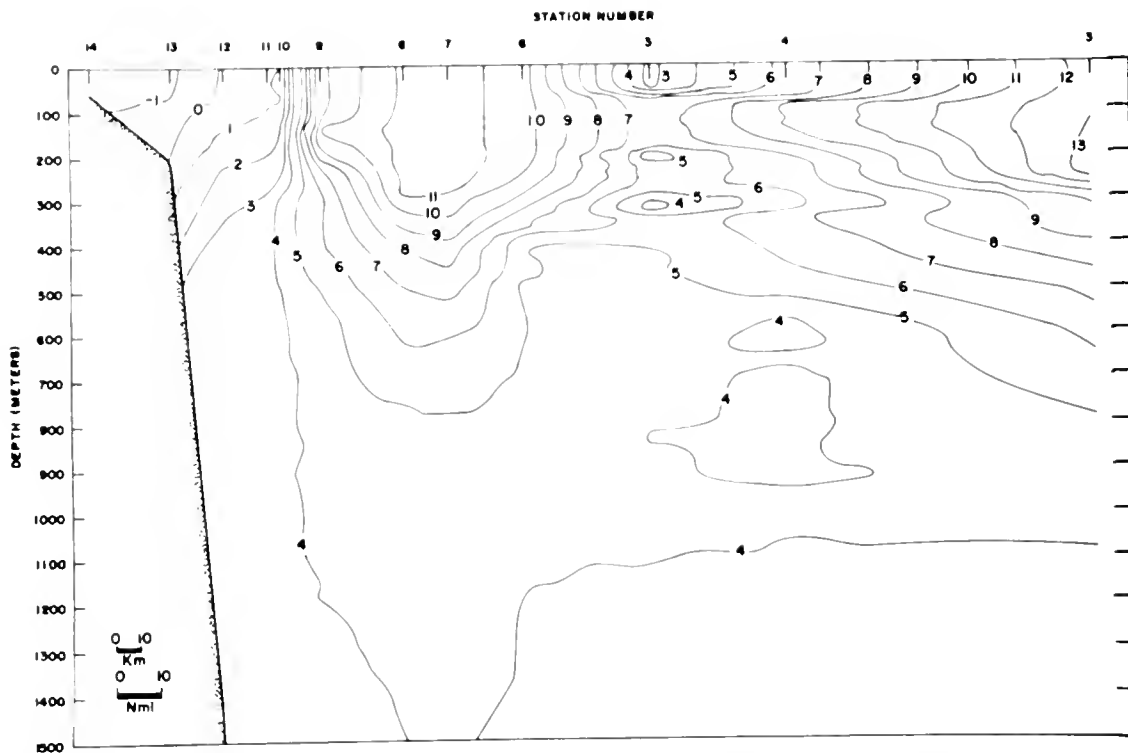
FIGURE 16a. Vertical temperature (°C) profile for section A3 from data obtained by CGC CHASE, 9–11 February 1975.
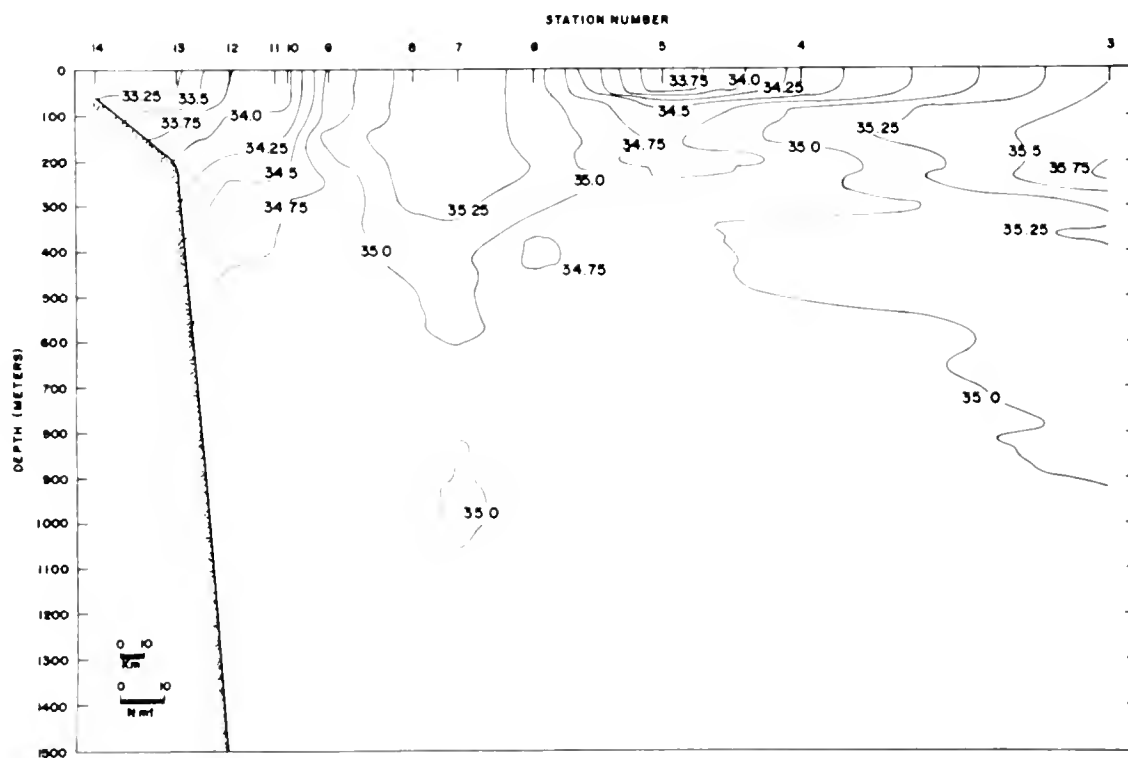
FIGURE 16b. Vertical salinity (°/oo) profile for section A3 from data obtained by CGC CHASE, 9–11 February 1975
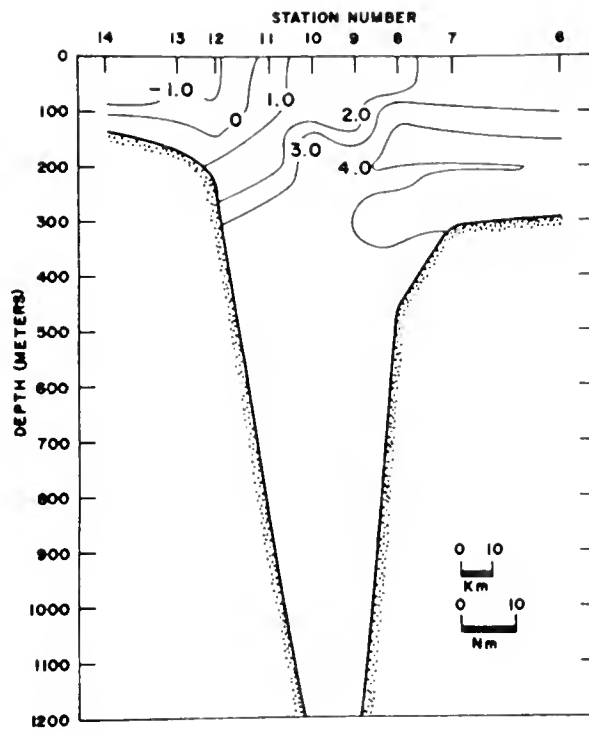
FIGURE 17a. Vertical temperature (°C) profile for section A2 from data obtained by CGC CHASE, 12–13 February 1975.
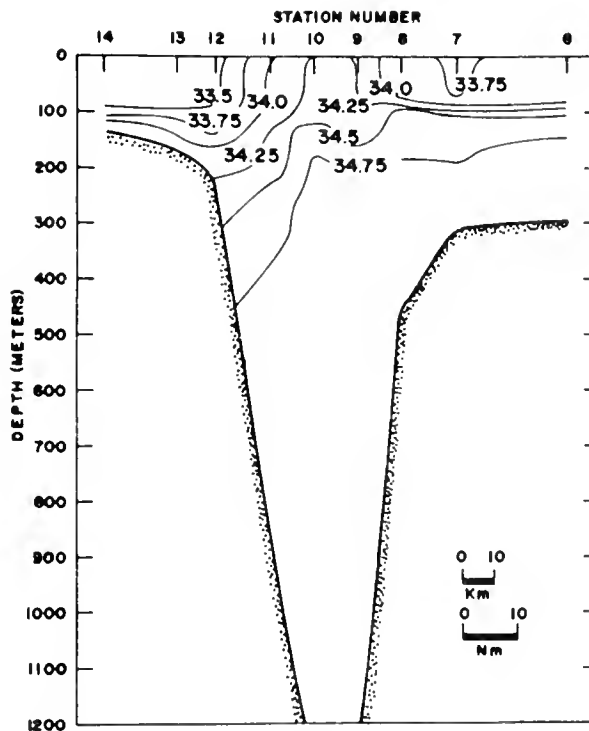
FIGURE 17b. Vertical salinity ($^\circ/_{oo}$) profile for section A2 from data obtained by CGC CHASE, 12–13 February 1975.
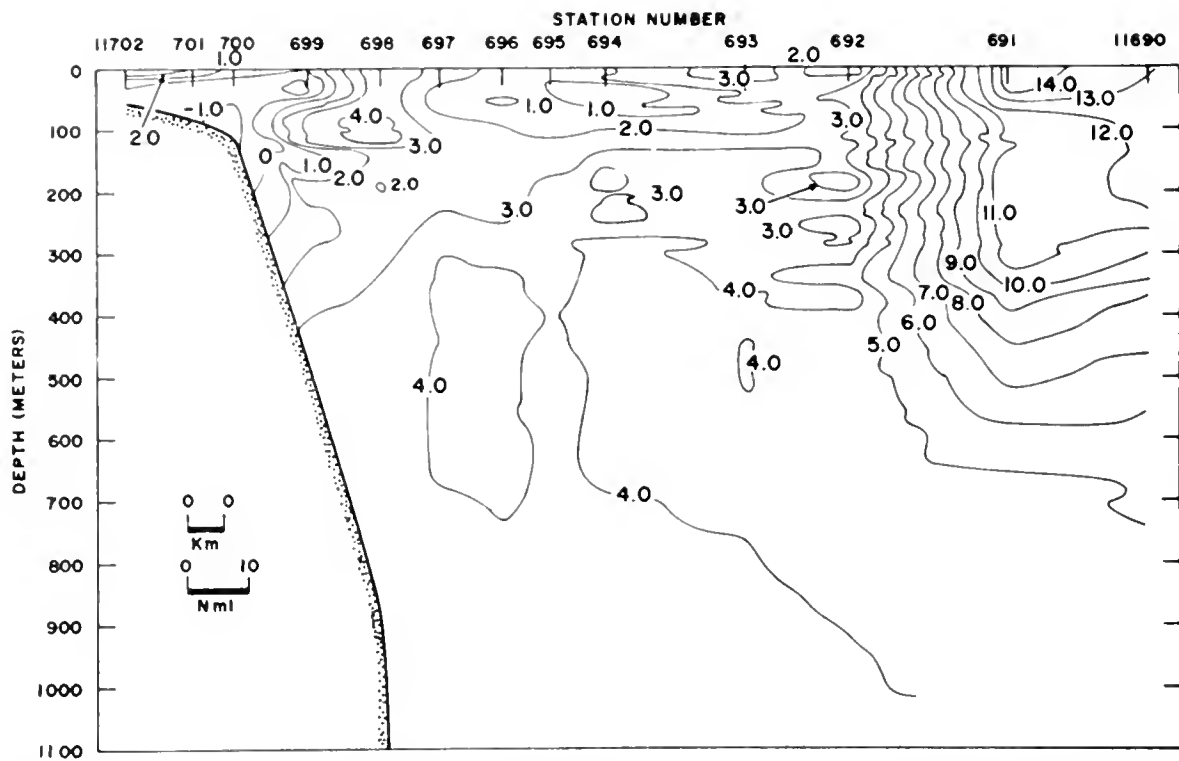
FIGURE 18a. Vertical temperature (°C) profile for section A3C from data obtained by CGC EVERGREEN, 8–9 April 1975.
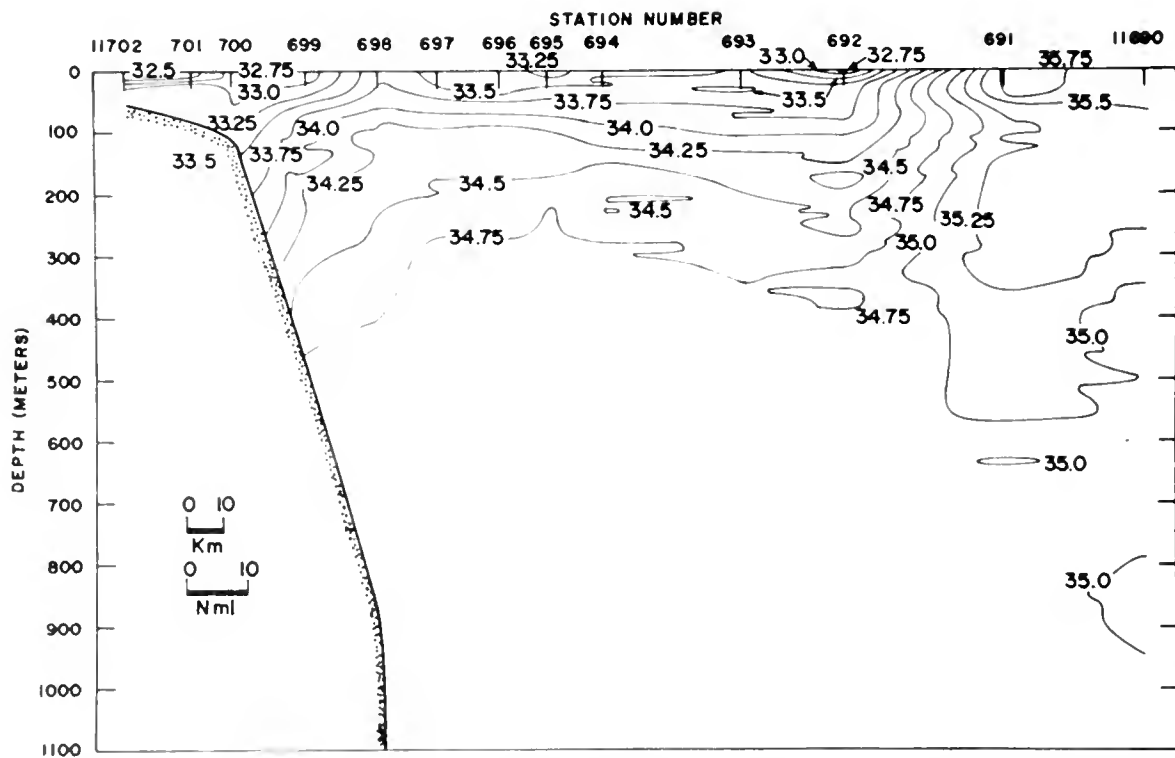
FIGURE 18b. Vertical salinity (°/oo) profile for section A3C from data obtained by CGC EVERGREEN, 8–9 April 1975.
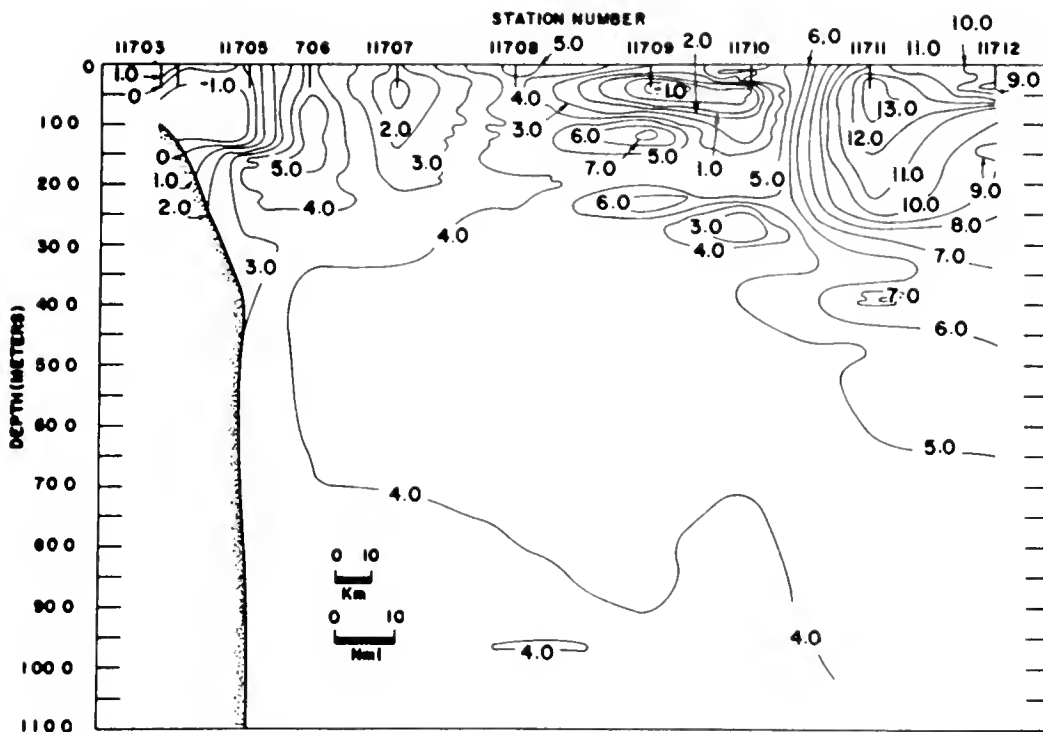
FIGURE 19a. Vertical temperature (°C) profile for section A3B from data obtained by CGC EVERGREEN, 9–10 April 1975.
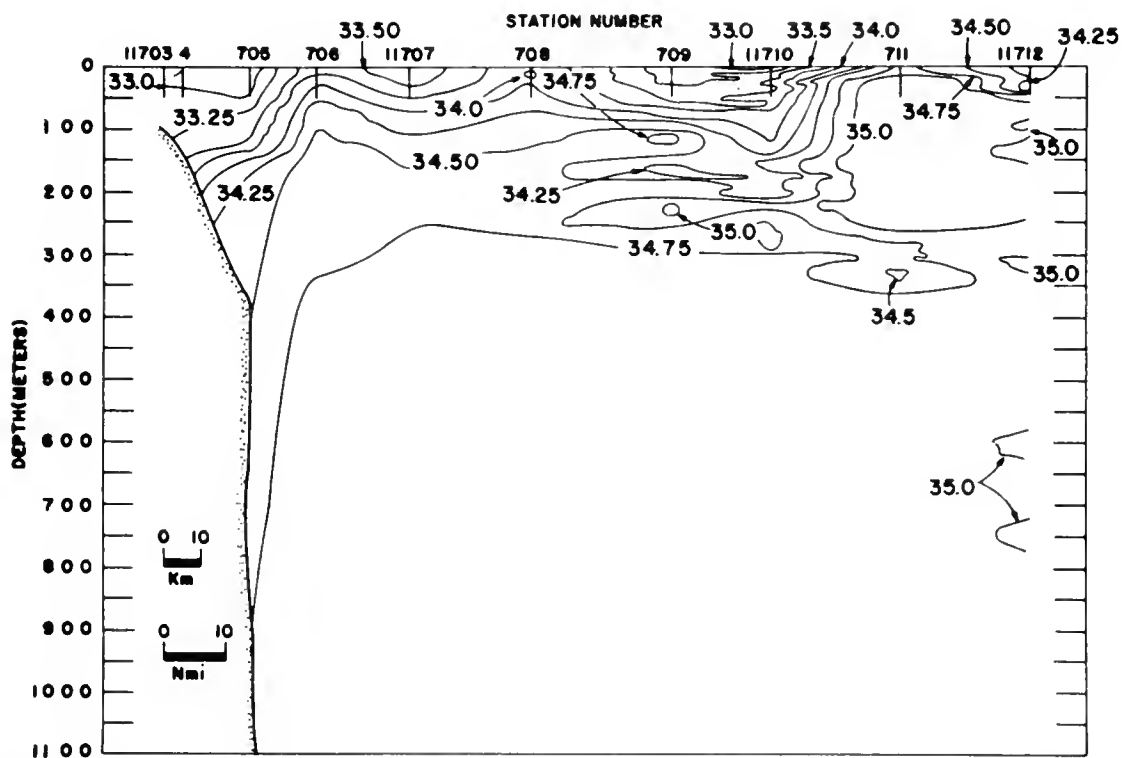
FIGURE 19b. Vertical salinity (°/₀₀) profile for section A3B from data obtained by CGC EVERGREEN, 9–10 April 1975.
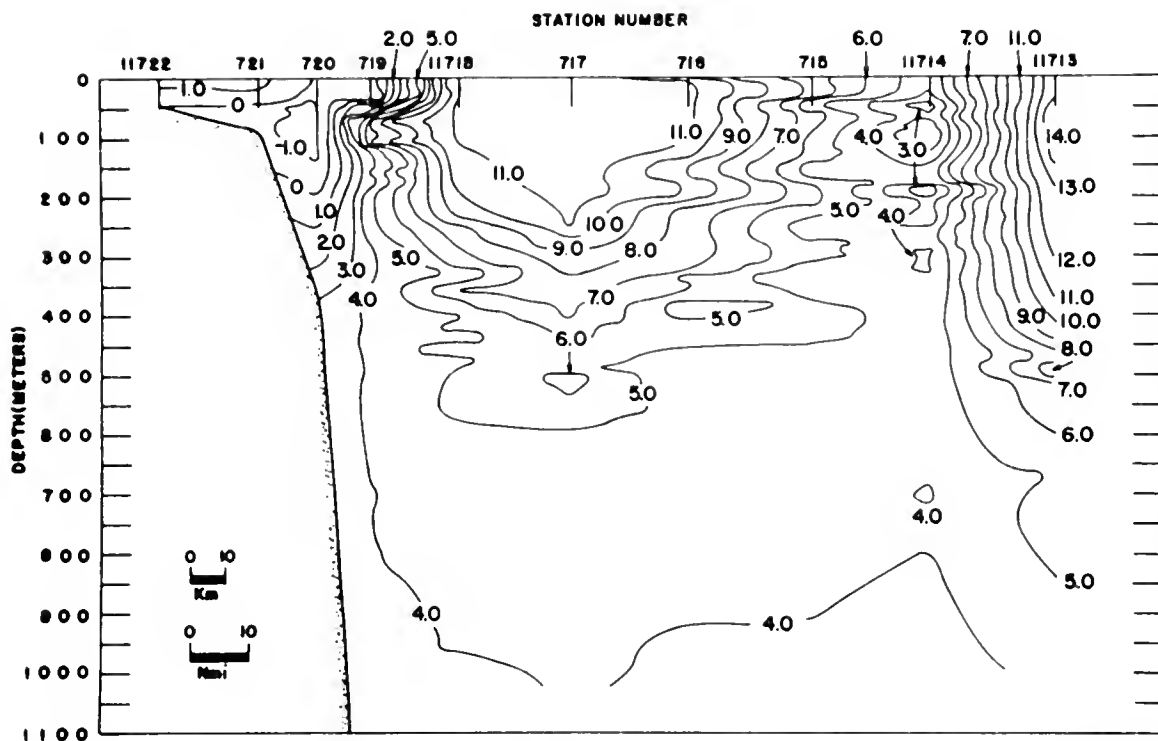
FIGURE 20a. Vertical temperature (°C) profile for section A3A from data obtained by CGC EVERGREEN, 10–12 April 1975.
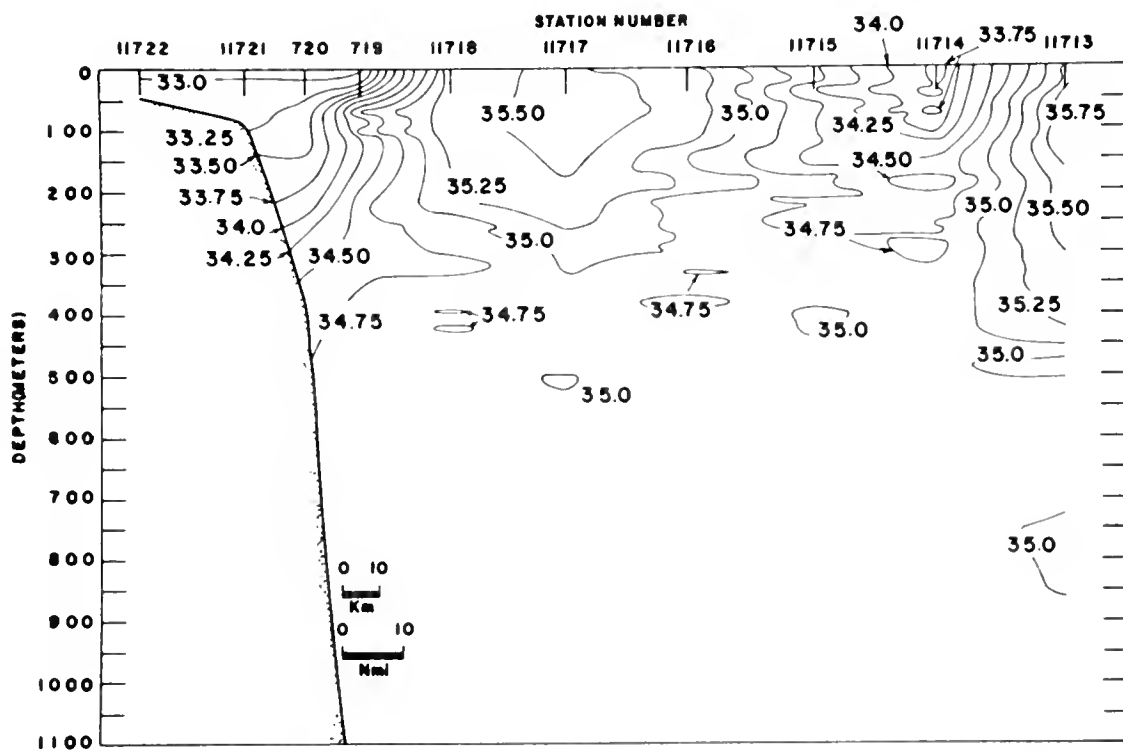
FIGURE 20b. Vertical salinity (°/₀₀) profile for section A3A from data obtained by CGC EVERGREEN, 10–12 April 1975.
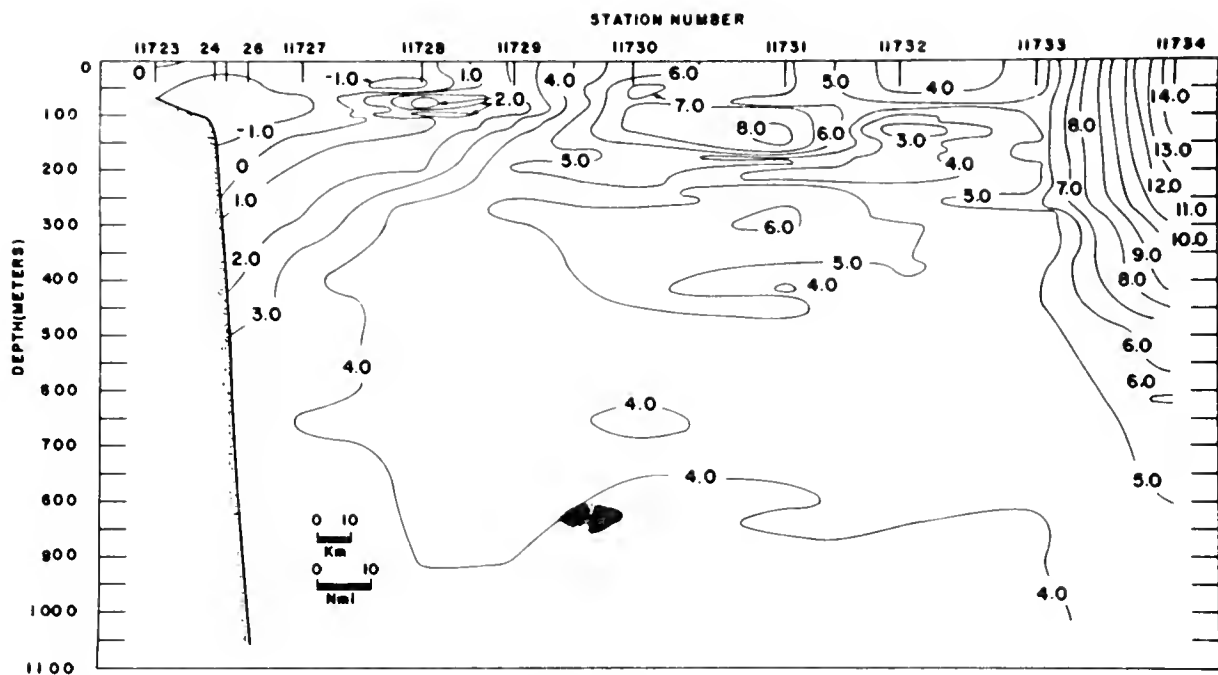
FIGURE 21a. Vertical temperature (°C) profile for section A3 from data obtained by CGC EVERGREEN, 12–14 April 1975.
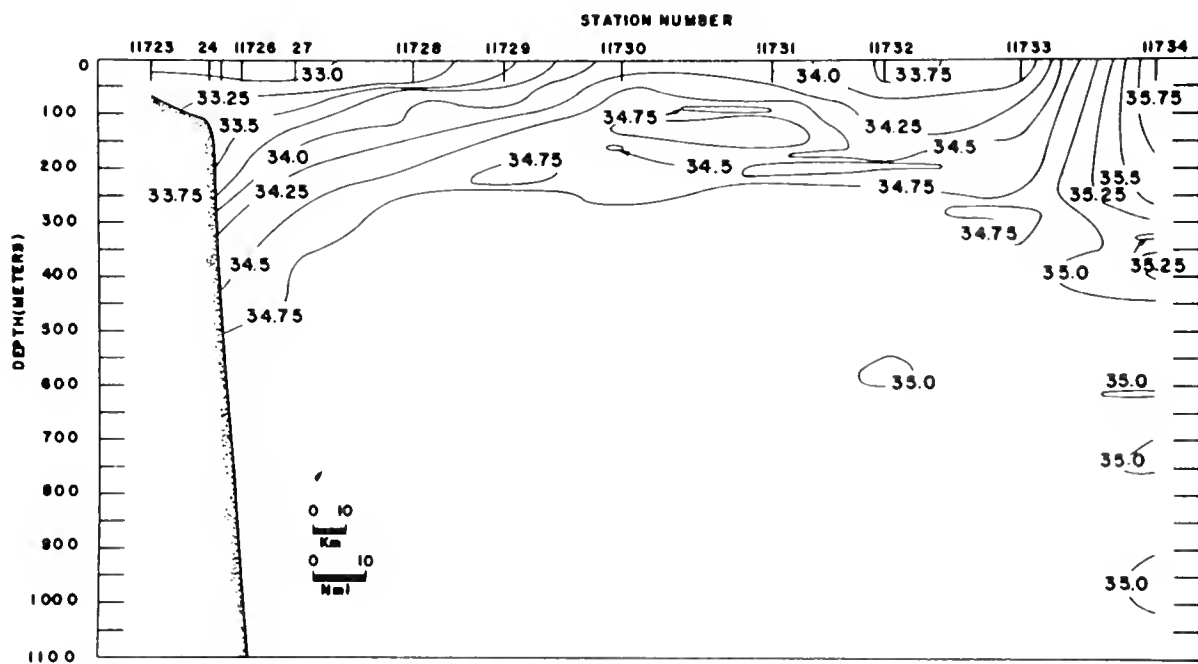
FIGURE 21b. Vertical salinity (°/₀₀) profile for section A3 from data obtained by CGC EVERGREEN, 12–14 April 1975.
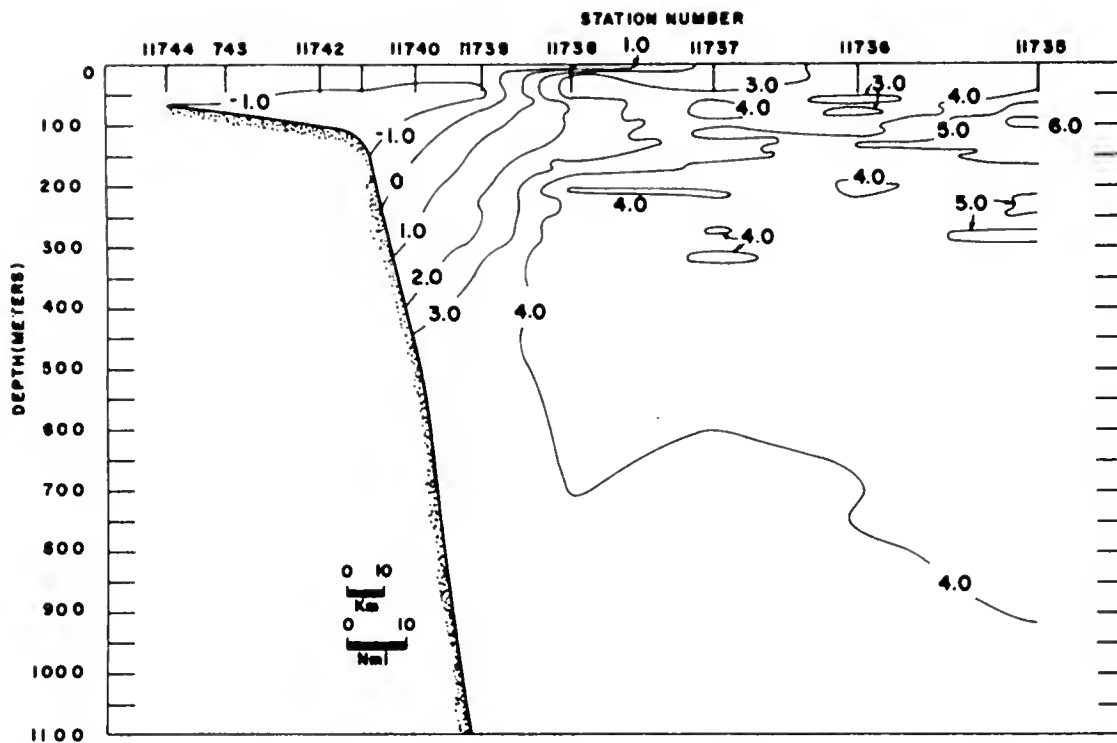
FIGURE 22a. Vertical temperature (°C) profile for section A2B from data obtained by CGC EVERGREEN, 14–15 April 1975.
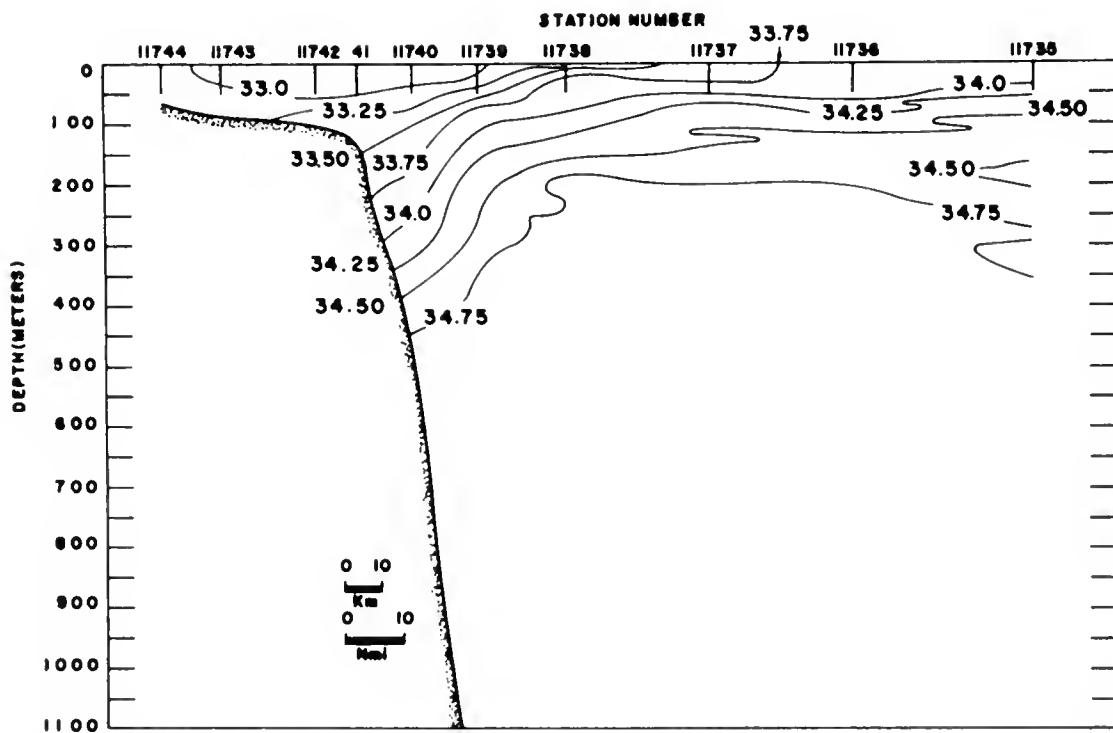
FIGURE 22b. Vertical salinity (°/₀₀) profile for section A2B from data obtained by CGC EVERGREEN, 14–15 April 1975.
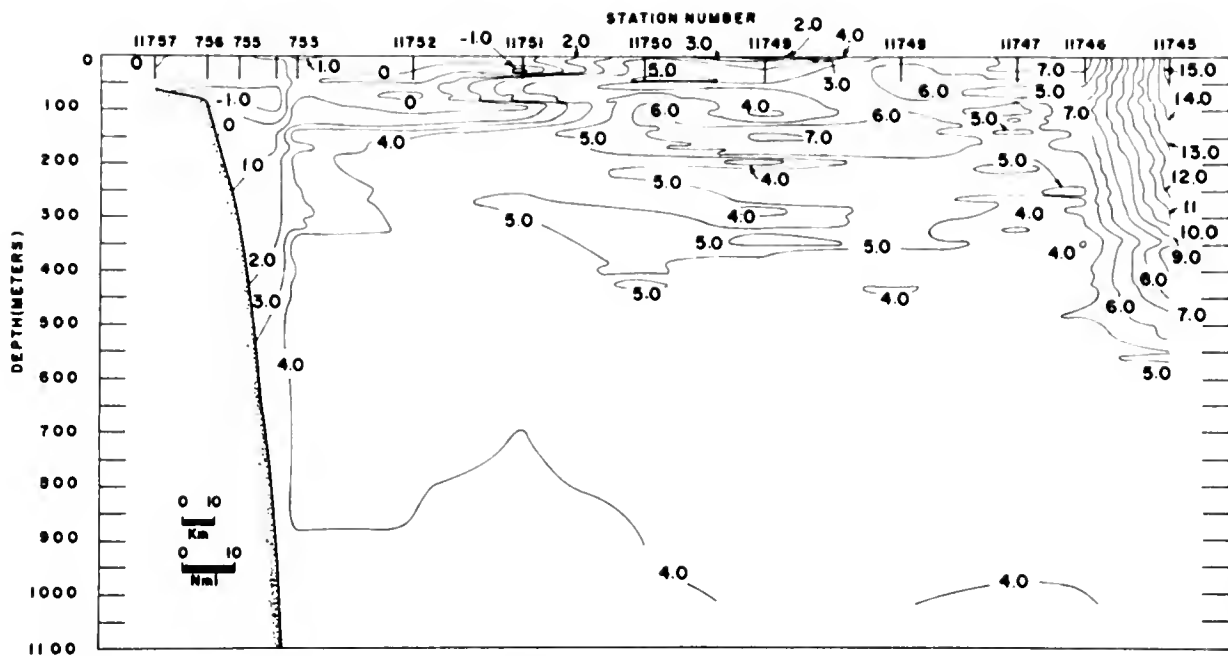
FIGURE 23a. Vertical temperature (°C) profile for section A3 from data obtained by CGC EVERGREEN, 21–23 April 1975.
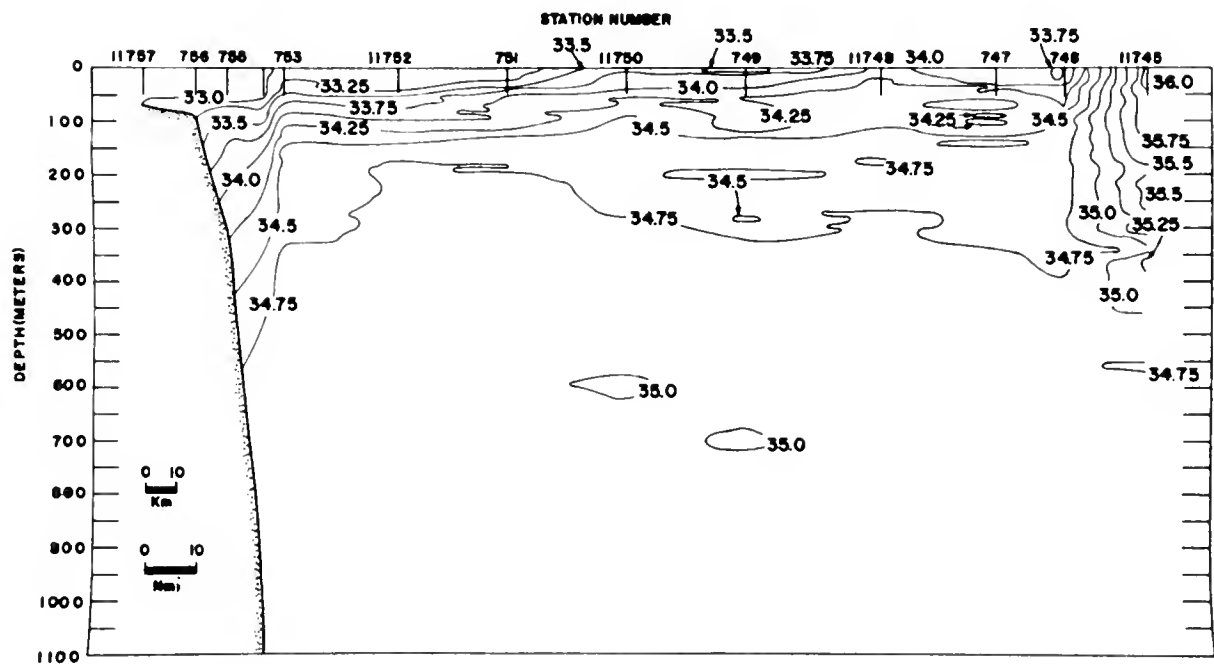
FIGURE 23b. Vertical salinity (°/₀₀) profile for section A3 from data obtained by CGC EVERGREEN, 21–23 April 1975.
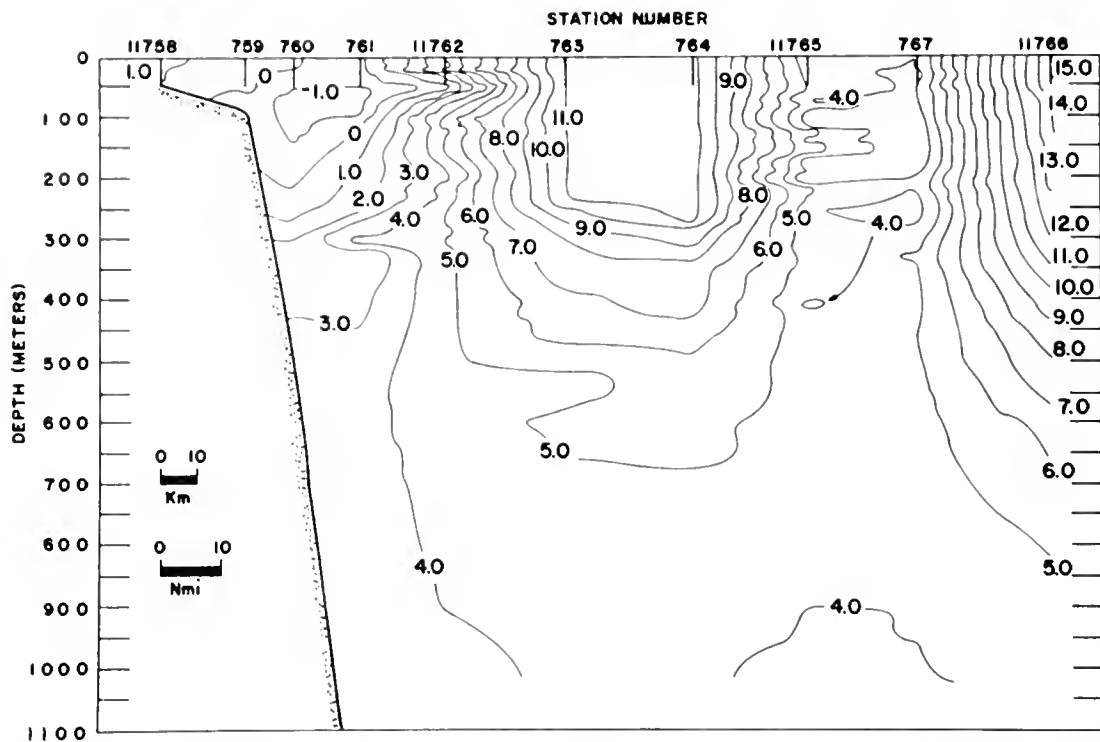
FIGURE 24a. Vertical temperature (°C) profile for section A3A from data obtained by CGC EVERGREEN, 23–24 April 1975.
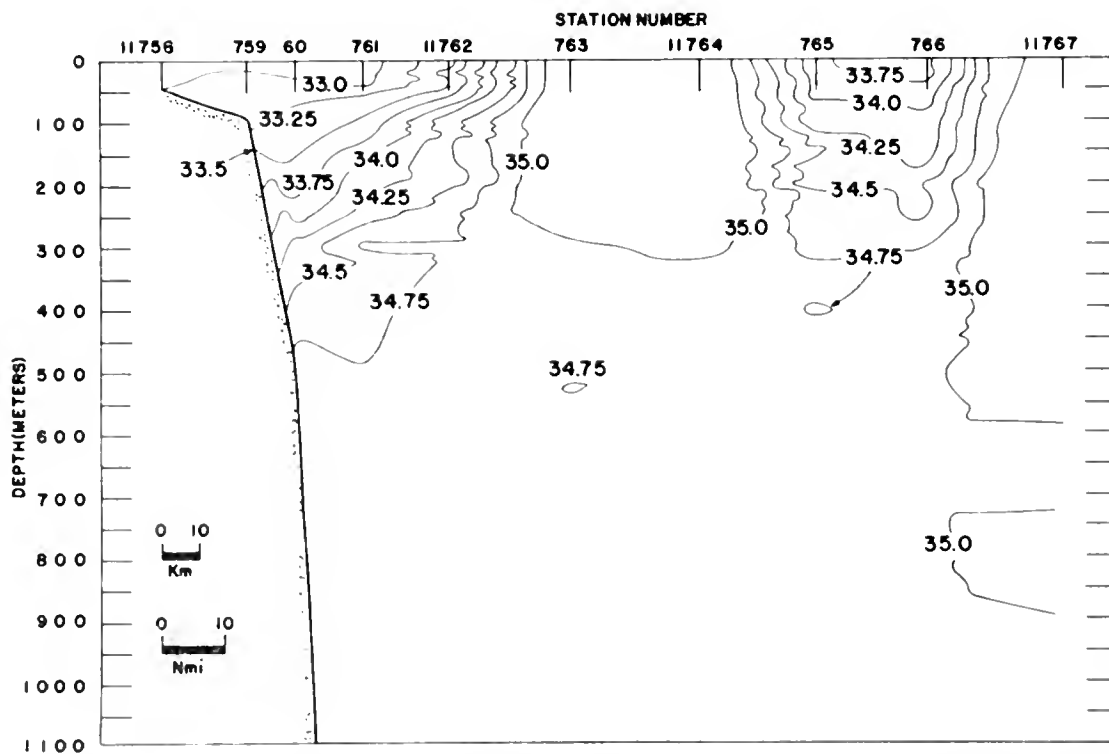
FIGURE 24b. Vertical salinity (°/₀₀) profile for section A3A from data obtained by CGC EVERGREEN, 23–24 April 1975.
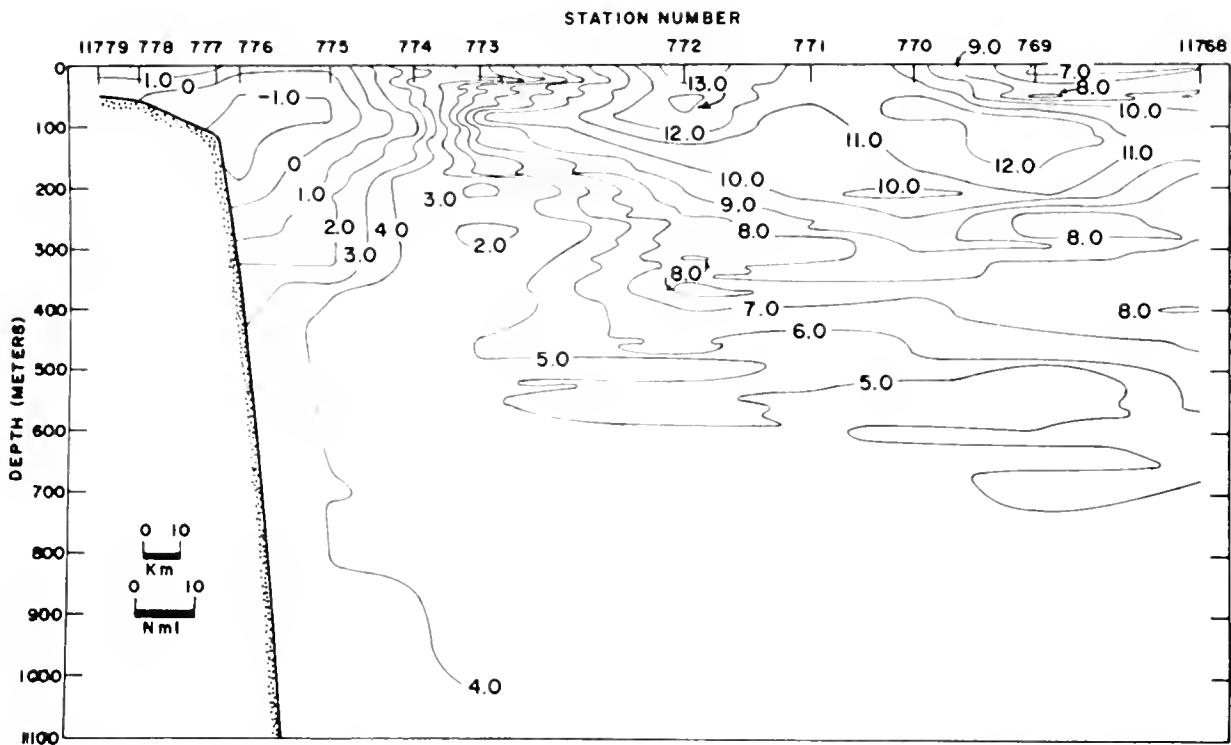
FIGURE 25a. Vertical temperature (°C) profile for section A3B from data obtained by CGC EVERGREEN, 24–25 1975.
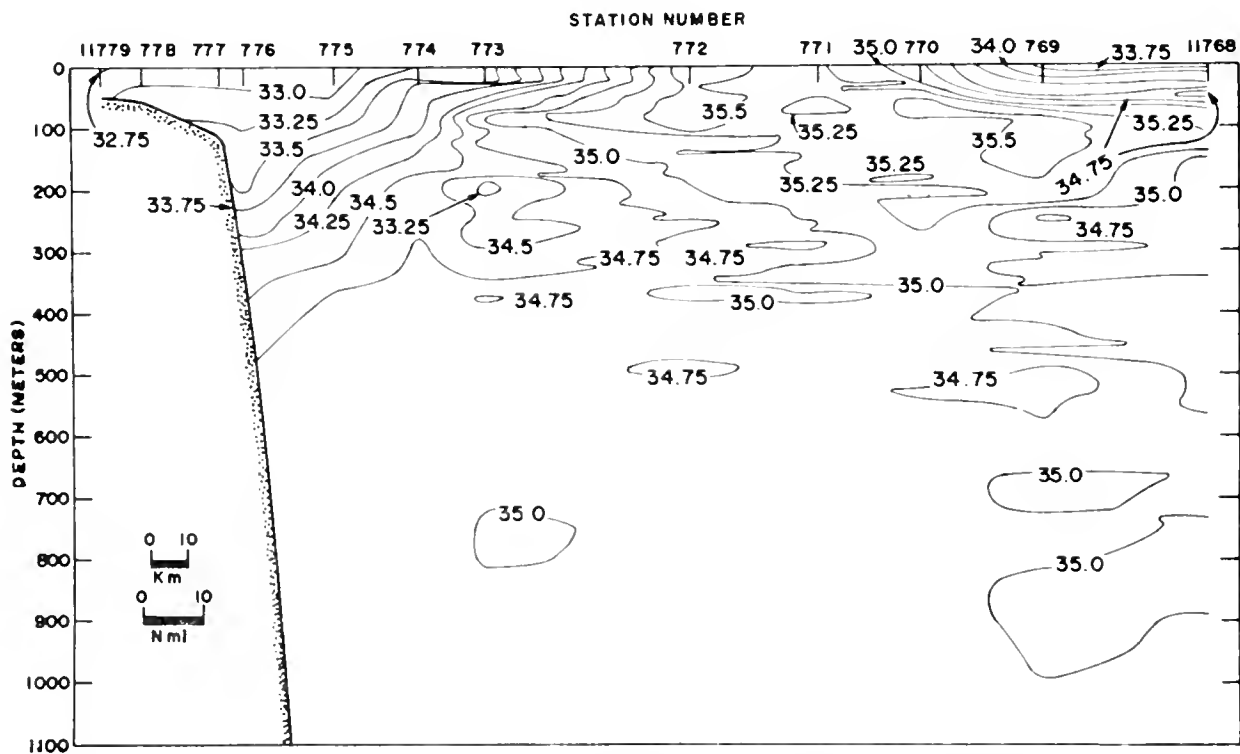
FIGURE 25b. Vertical salinity (°/oo) profile for section A3B from data obtained by CGC EVERGREEN, 24–25 April 1976.

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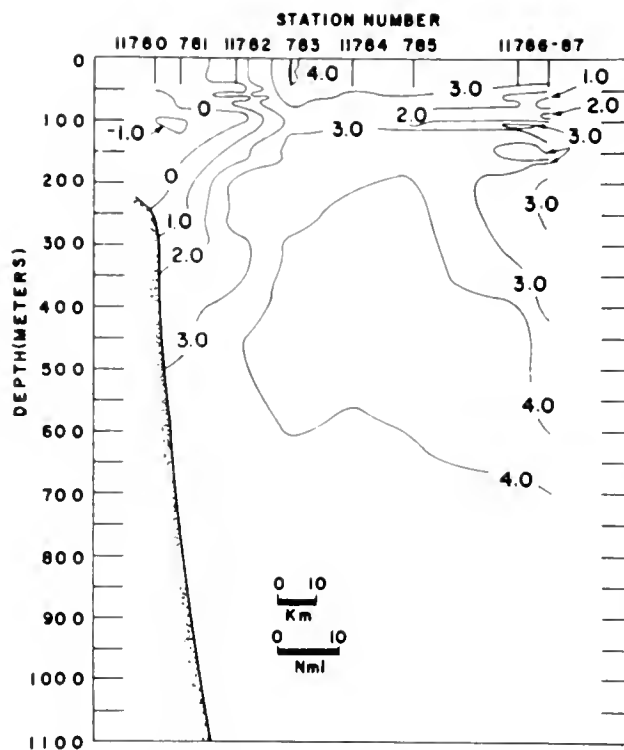
FIGURE 26a. Vertical temperature (°C) profile for Intensive Survey-1-a from data obtained by CGC EVERGREEN,
26–28 May 1975
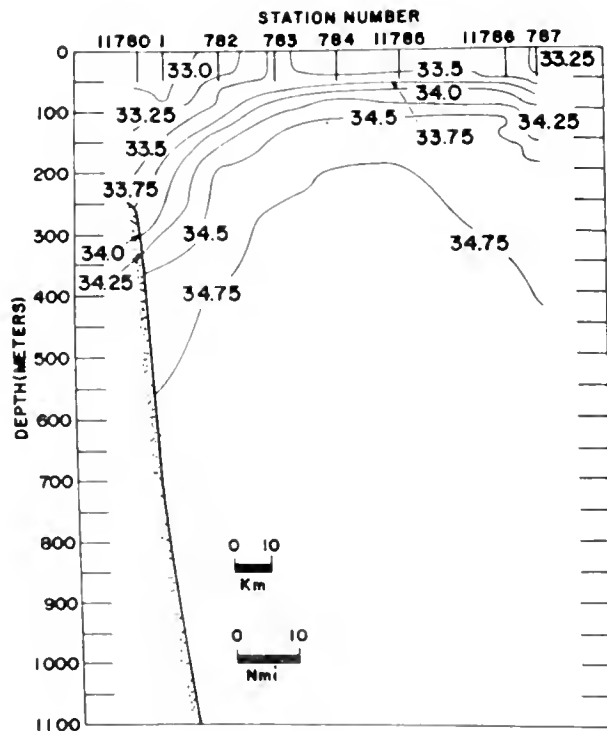
FIGURE 26b. Vertical salinity (°/₀₀) profile for Intensive Survey-1-a from data obtained by CGC EVERGREEN,
26–28 May 1975.
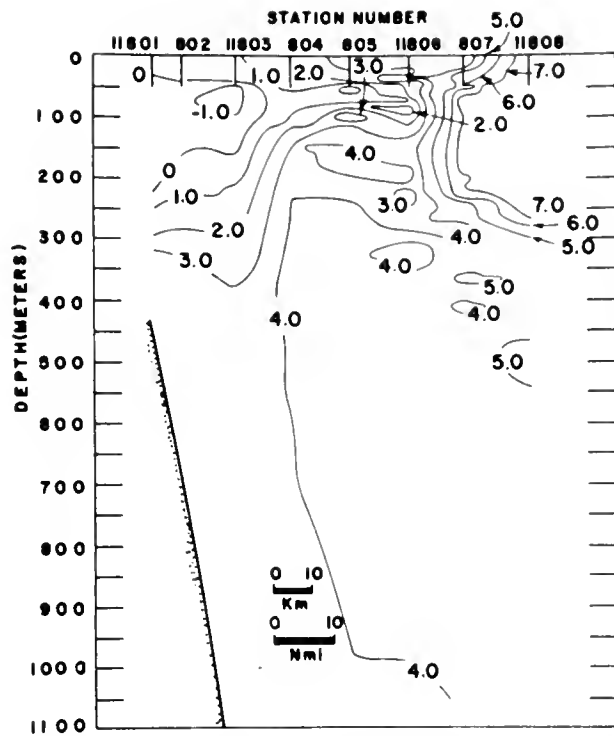
FIGURE 27a. Vertical temperature (°C) profile for Intensive Survey-I-b from data obtained by CGC EVERGREEN, 26–28 May 1975.
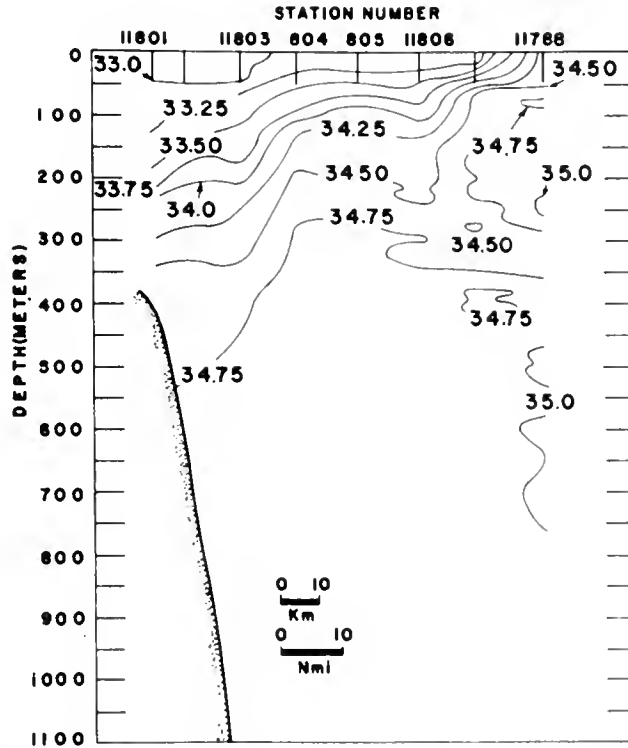
FIGURE 27b. Vertical salinity (°/oo) profile for Intensive Survey-I-b from data obtained by CGC EVERGREEN, 26–28 May 1975.

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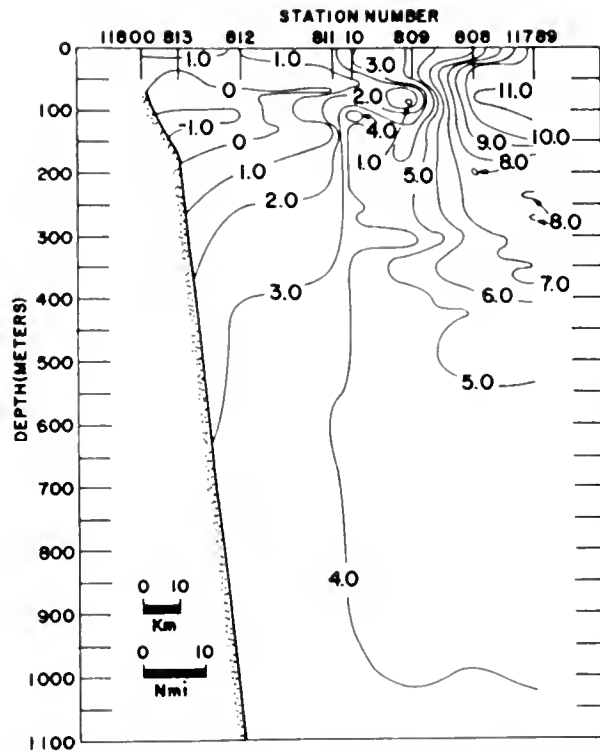
FIGURE 28a. Vertical temperature (°C) profile for Intensive Survey-1-e from data obtained by CGC EVERGREEN, 26–28 May 1975.
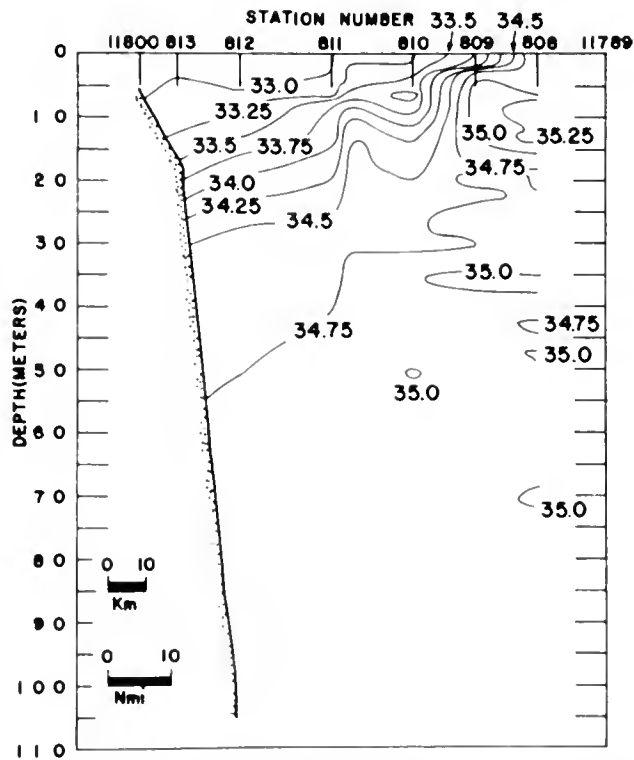
FIGURE 28b. Vertical salinity (°/₀₀) profile for Intensive Survey-1-e from data obtained by CGC EVERGREEN. 26–28 May 1975

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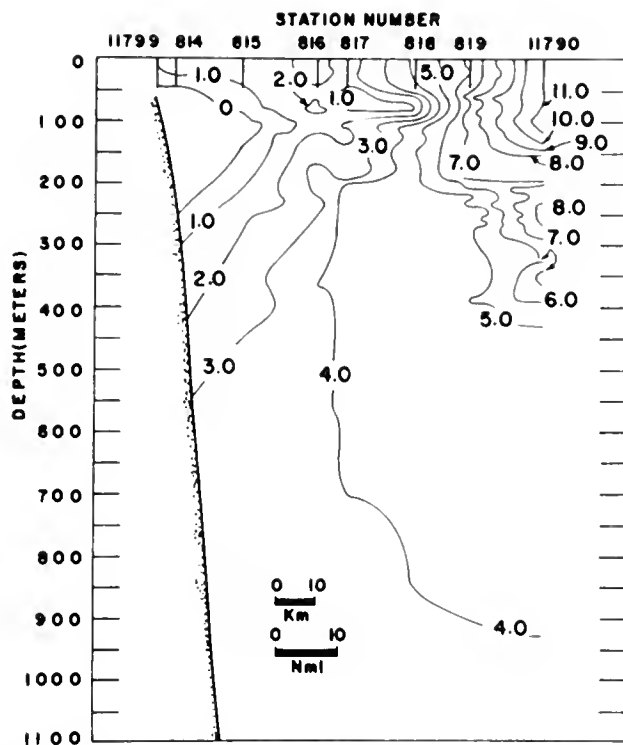
FIGURE 29a. Vertical temperature (°C) profile for Intensive Survey-I-d from data obtained by CGC EVERGREEN, 26–28 May 1975.
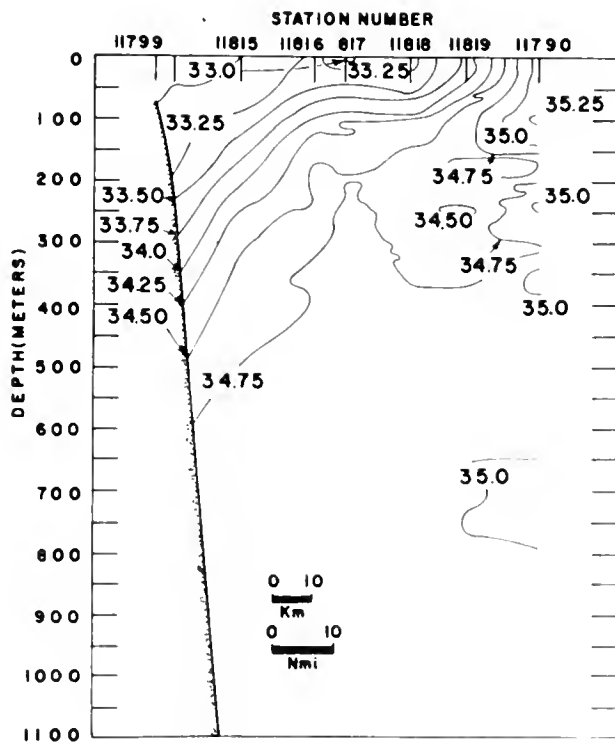
FIGURE 29b. Vertical salinity (°/₀₀) profile for Intensive Survey-I-d from data obtained by CGC EVERGREEN, 26–28 May 1975.
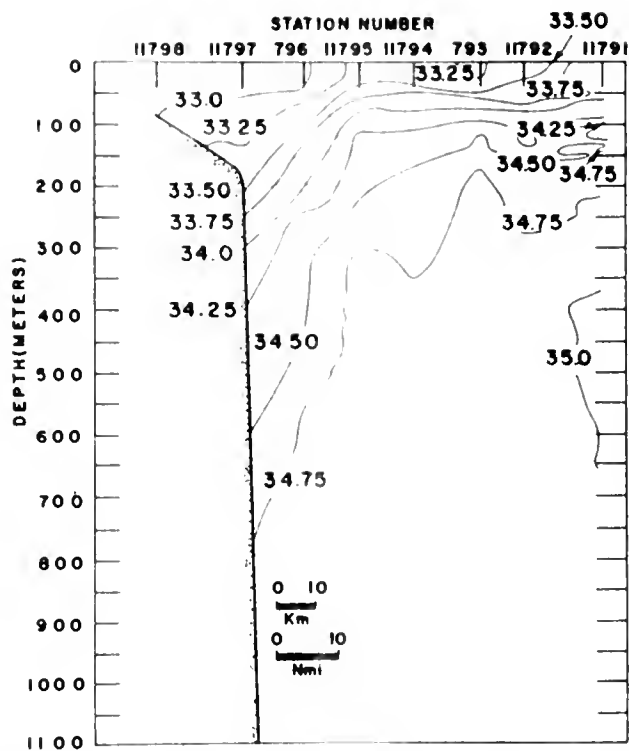
FIGURE 30a. Vertical temperature (°C) profile for Intensive Survey-1-e from data obtained by CGC EVERGREEN, 26–28 May 1975.
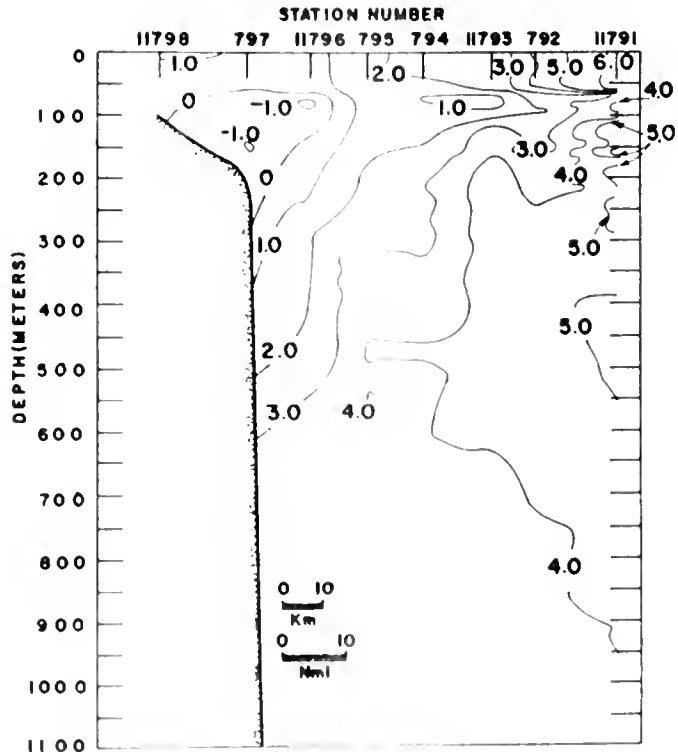
FIGURE 30b. Vertical salinity (°/₀₀) profile for Intensive Survey-1-e from data obtained by CGC EVERGREEN, 26 28 May 1975.
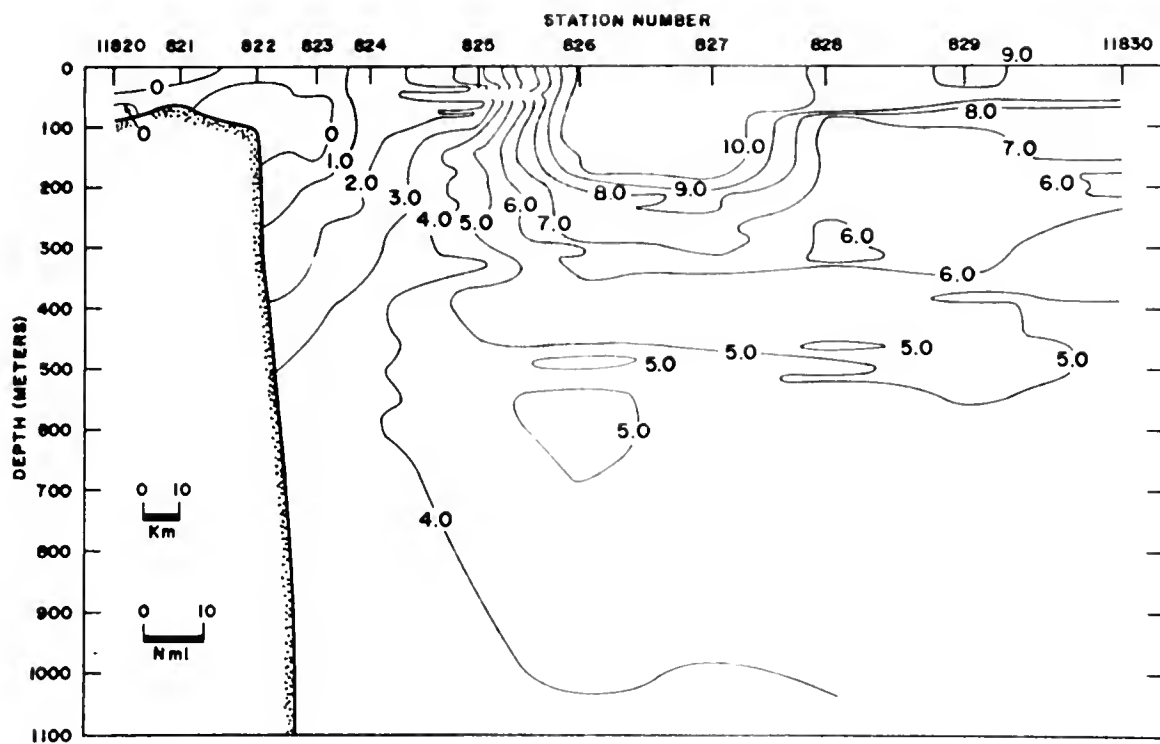
FIGURE 31a. Vertical temperature (°C) profile for section A3 from data obtained by CGC EVERGREEN, 30–31 May 1975.
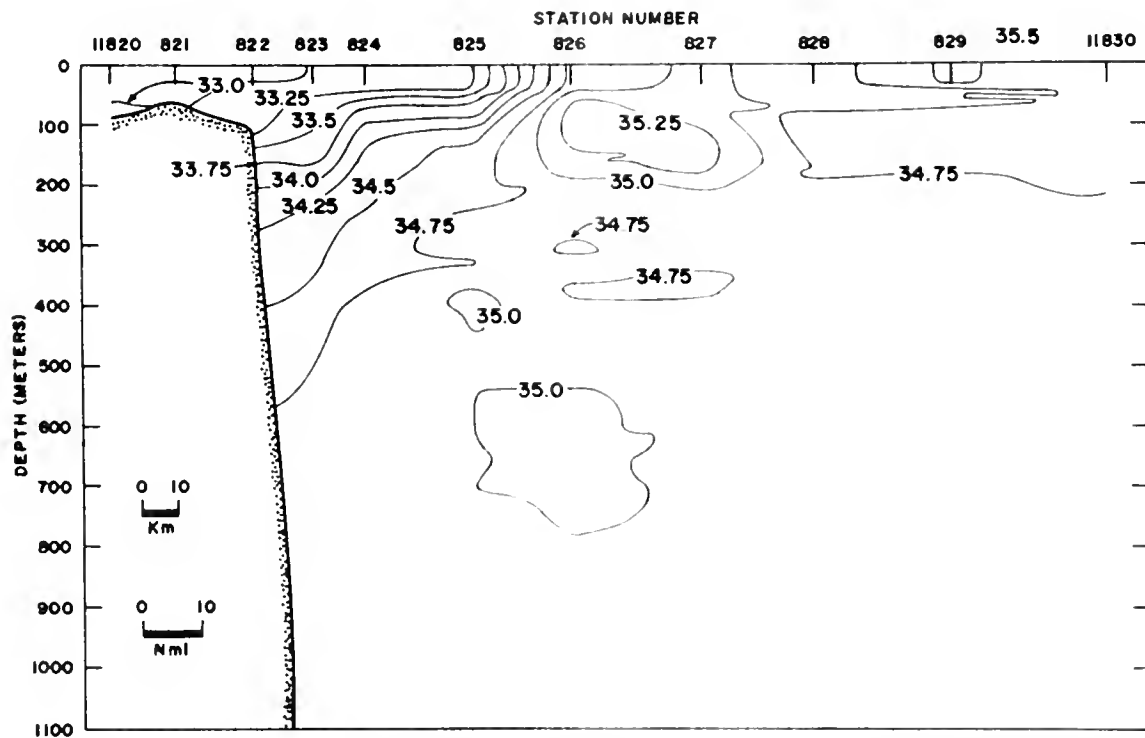
FIGURE 31b. Vertical salinity (°/oo) profile for section A3 from data obtained by CGC EVERGREEN, 30–31 May 1975.
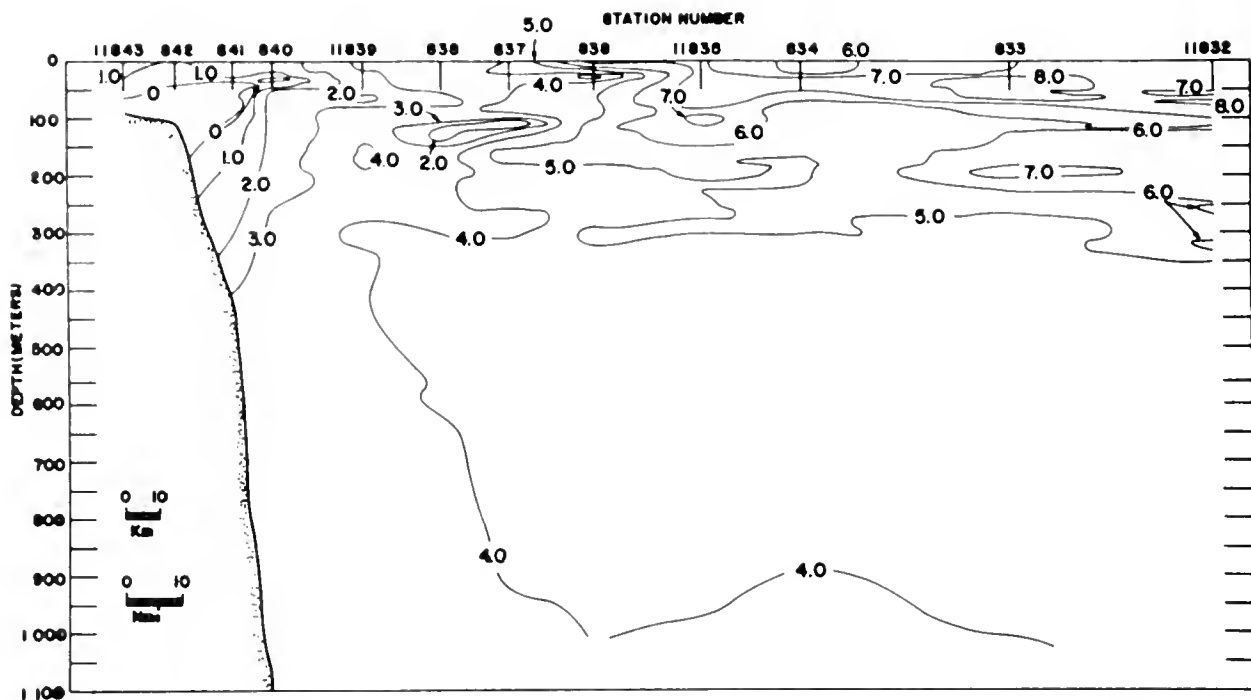
FIGURE 32a. Vertical temperature (°C) profile for section A2B from data obtained by CGC EVERGREEN, 31 May-1 June 1975.
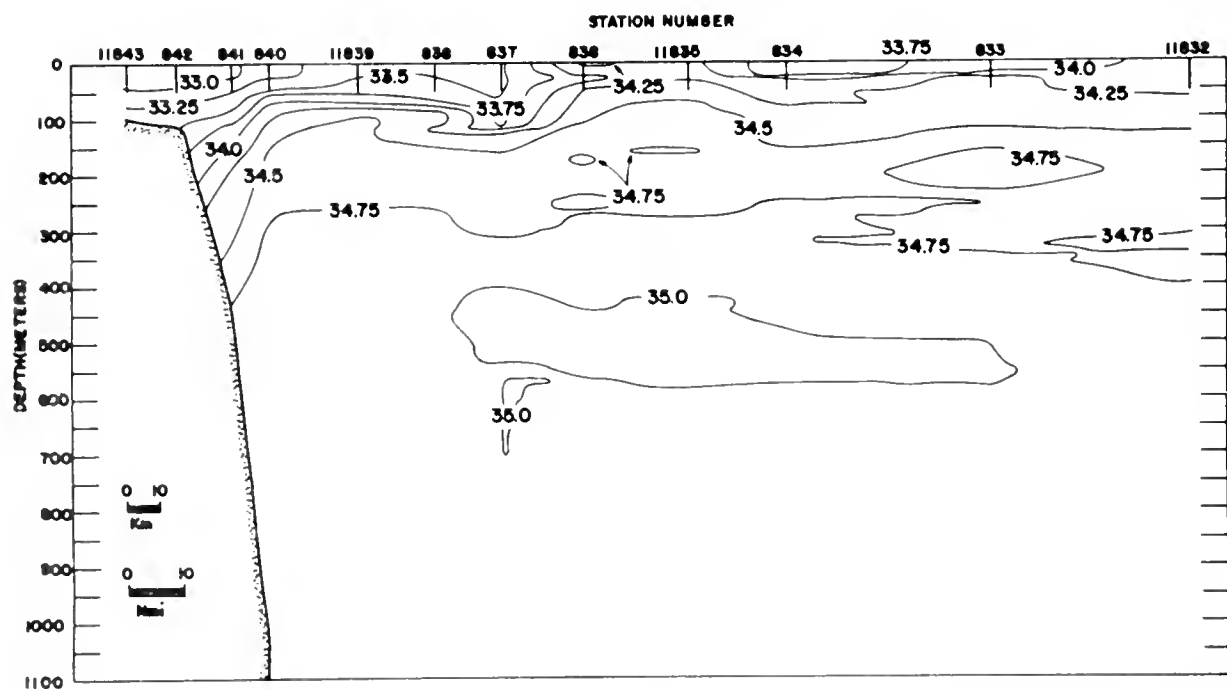
FIGURE 32b. Vertical salinity (°/oo) profile for section A2B from data obtained by CGC EVERGREEN, 31 May-1 June 1975.
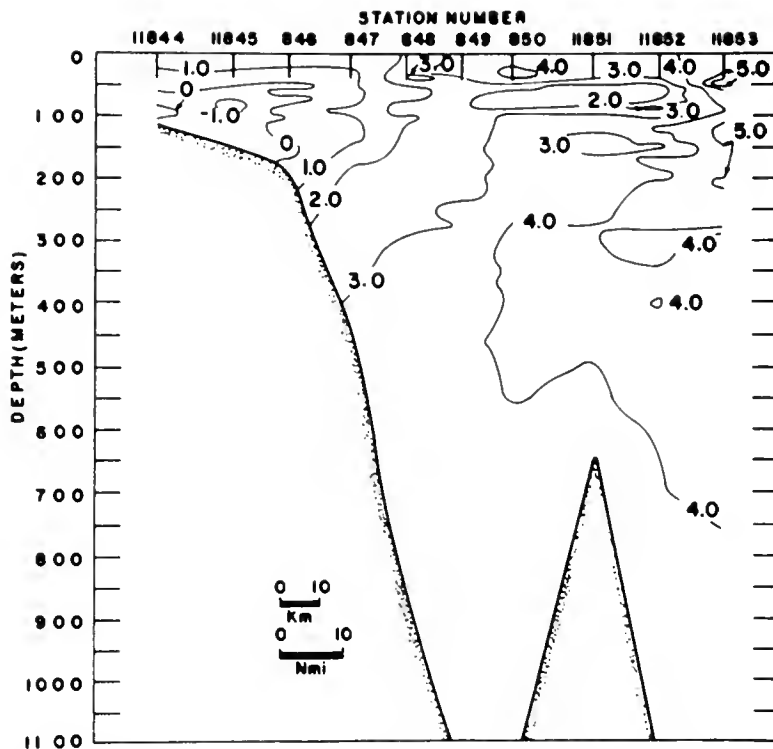
FIGURE 33a. Vertical temperature (°C) profile for section A2A from data obtained by CGC EVERGREEN, 2 June 1975.
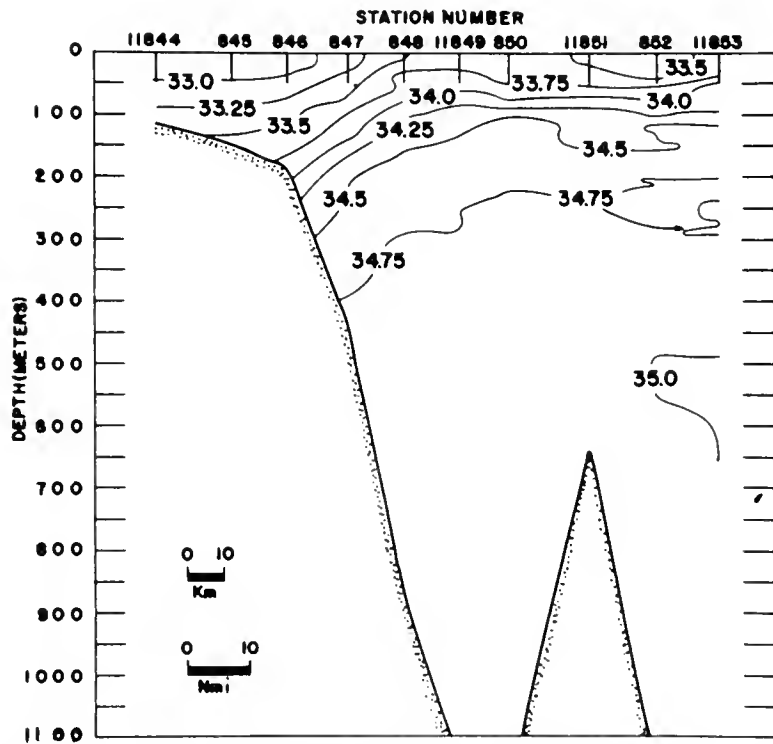
FIGURE 33b. Vertical salinity (°/oo) profile for section A2A from data obtained by CGC EVERGREEN, 2 June 1975.

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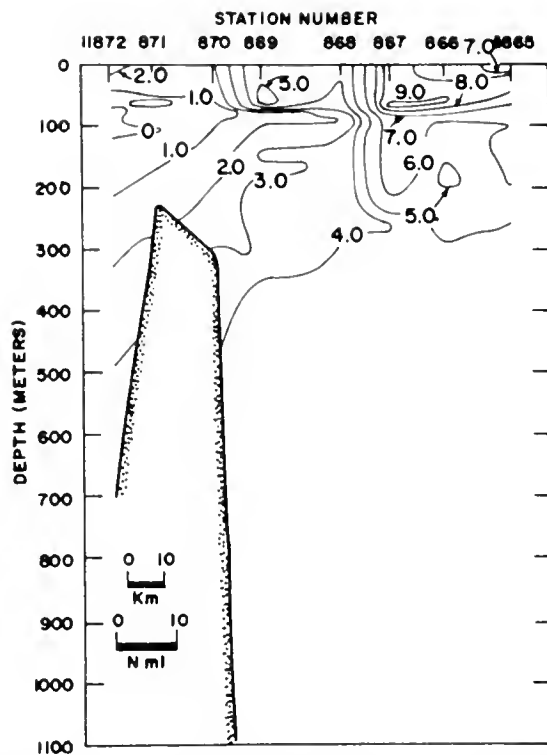
FIGURE 34a. Vertical temperature (°C) profile for Intensive Survey-II-a from data obtained by CGC EVERGREEN, 3-6 June 1975.
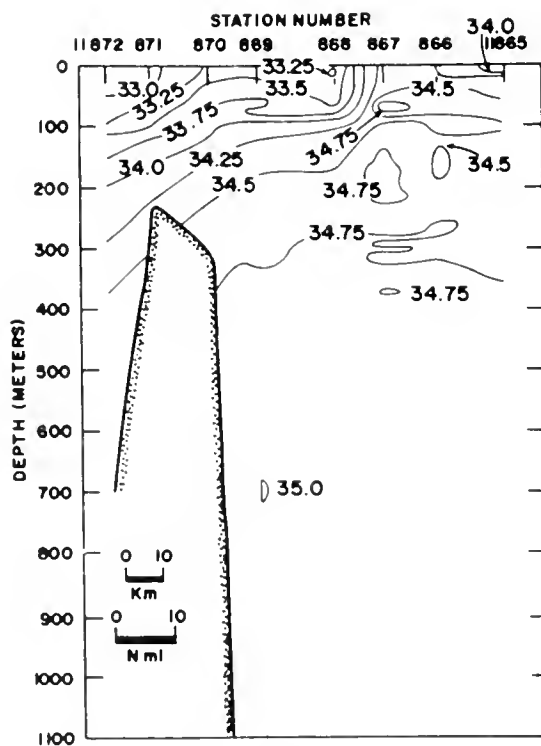
FIGURE 34b. Vertical salinity (°/oo) profile or Intensive Survey-II-a from data obtained by CGC EVERGREEN, 3-6 June 1975.
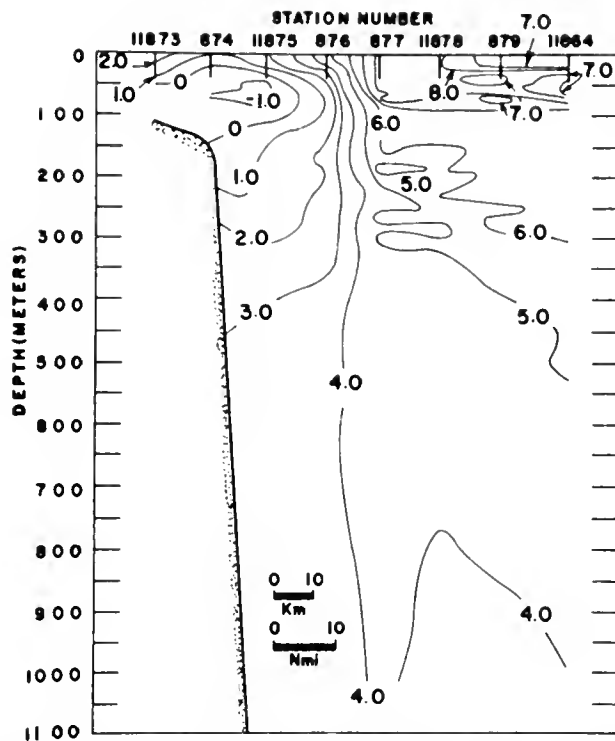
FIGURE 35a. Vertical temperature (°C) profile for Intensive Survey-II-a from data obtained by CGC EVERGREEN, 3–6 June 1975.
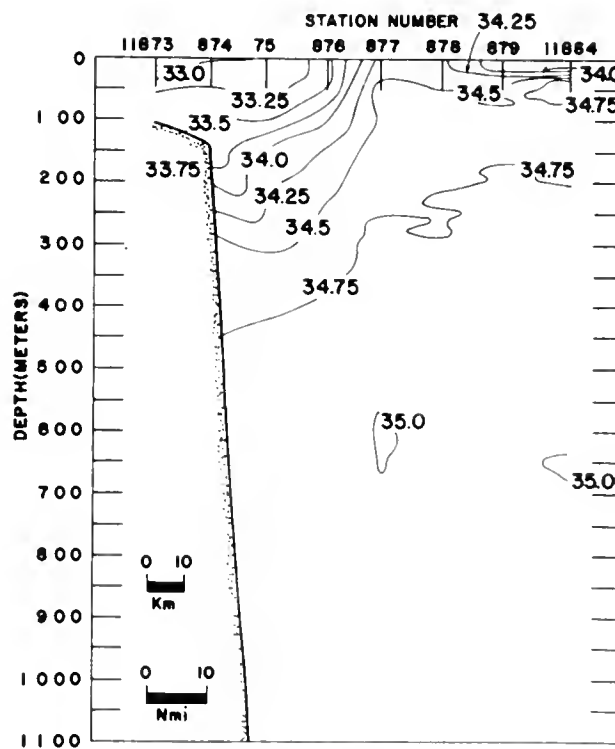
FIGURE 35b. Vertical salinity (°/₀₀) profile for Intensive Survey-II-b from data obtained by CGC EVERGREEN, 3–6 June 1975.

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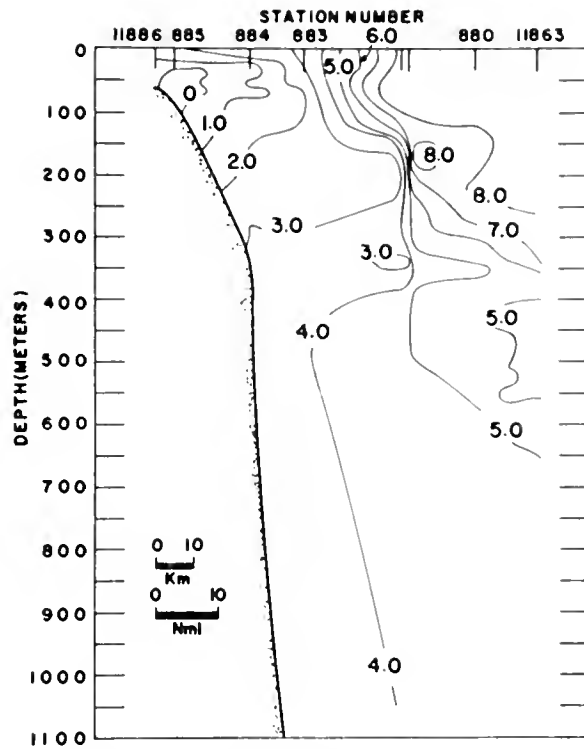
FIGURE 36a. Vertical temperature (°C) profile for Intensive Survey-II-c from data obtained by CGC EVERGREEN, 3–6 June 1975.
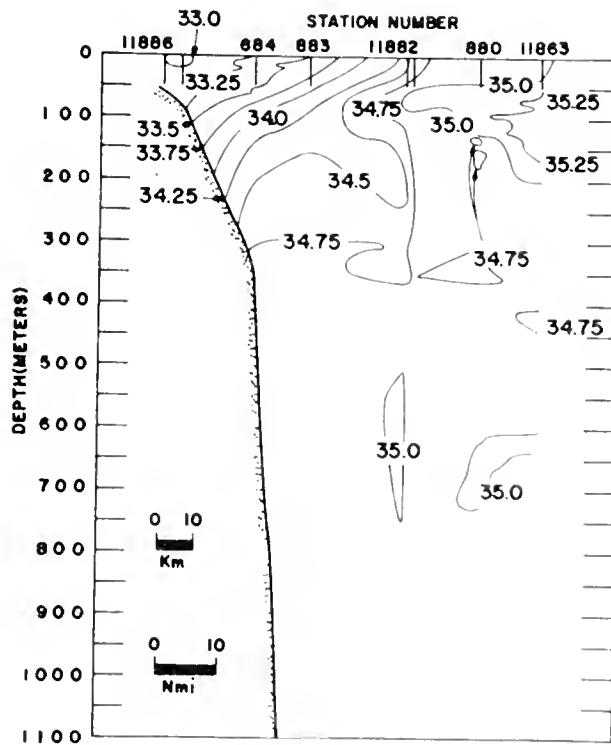
FIGURE 36b. Vertical salinity (°/oo) profile for Intensive Survey-II-c from data obtained by CGC EVERGREEN, 3–6 June 1975.
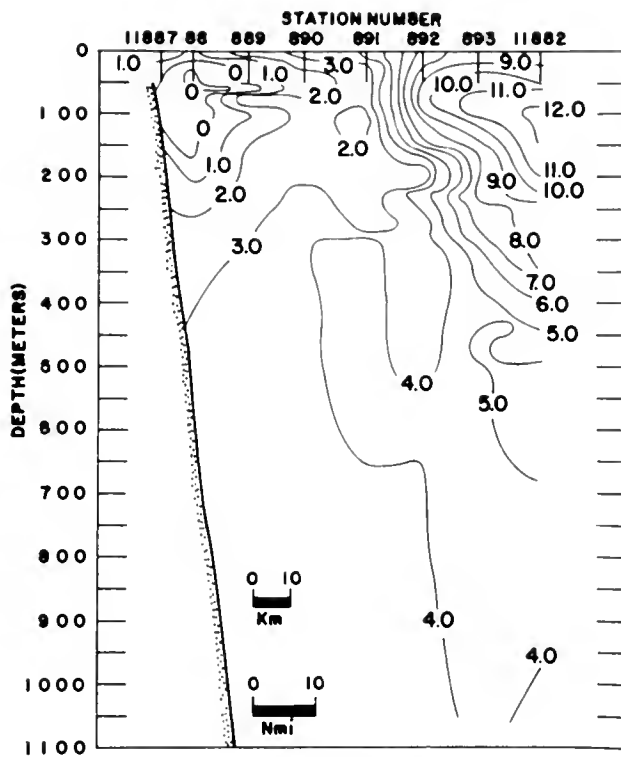
FIGURE 37a. Vertical temperature (°C) profile for Intensive Survey-11-d from data obtained by CGC EVERGREEN, 3–6 June 1975.
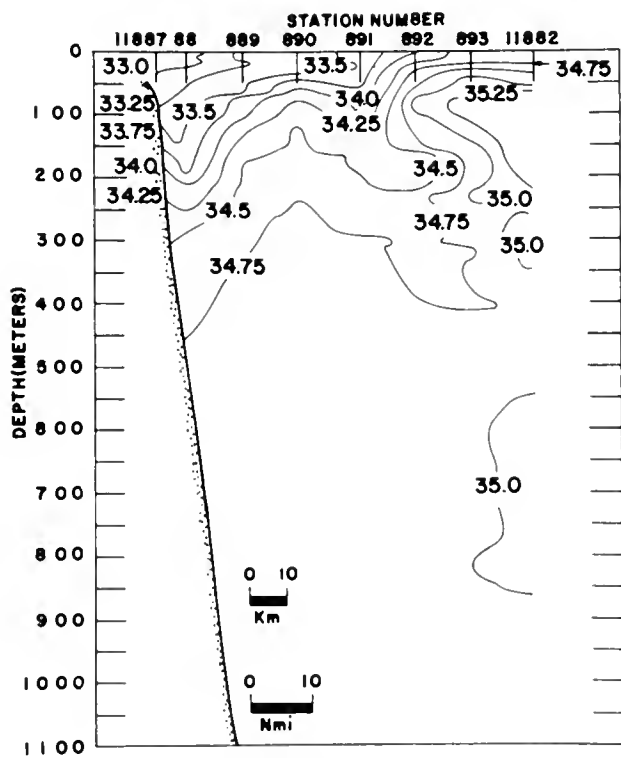
FIGURE 37b. Vertical salinity (°/₀₀) profile for Intensive Survey-11-d from data obtained by CGC EVERGREEN, 3–6 June 1975.
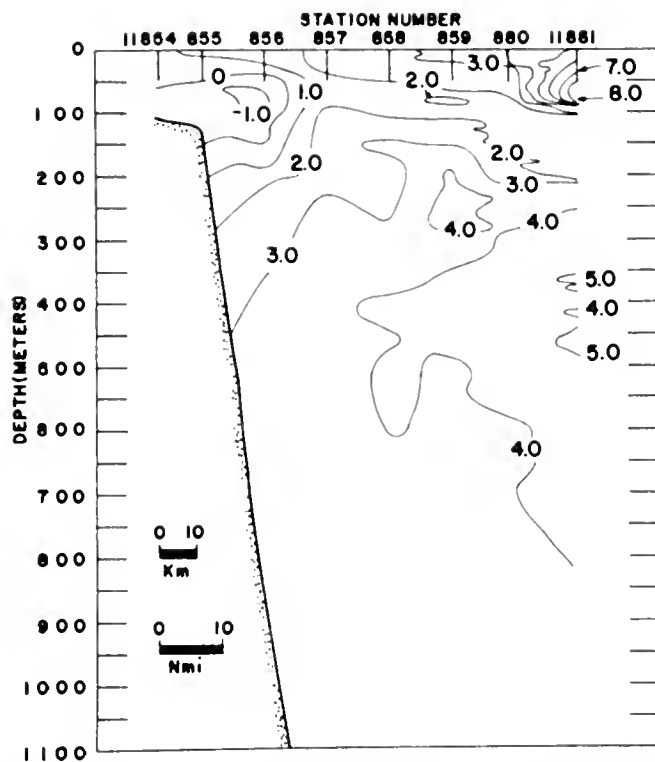
FIGURE 38a. Vertical temperature (°C) profile for Intensive Survey-II-e from data obtained by CGC EVERGREEN, 3-6 June 1975.
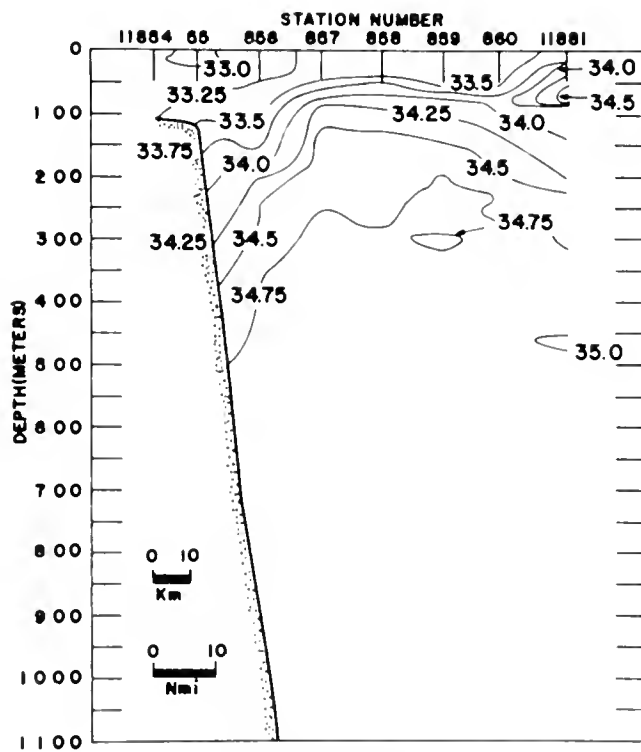
FIGURE 38b. Vertical salinity (°/₀₀) profile for Intensive Survey-II-e from data obtained by CGC EVERGREEN, 3-6 June 1975.
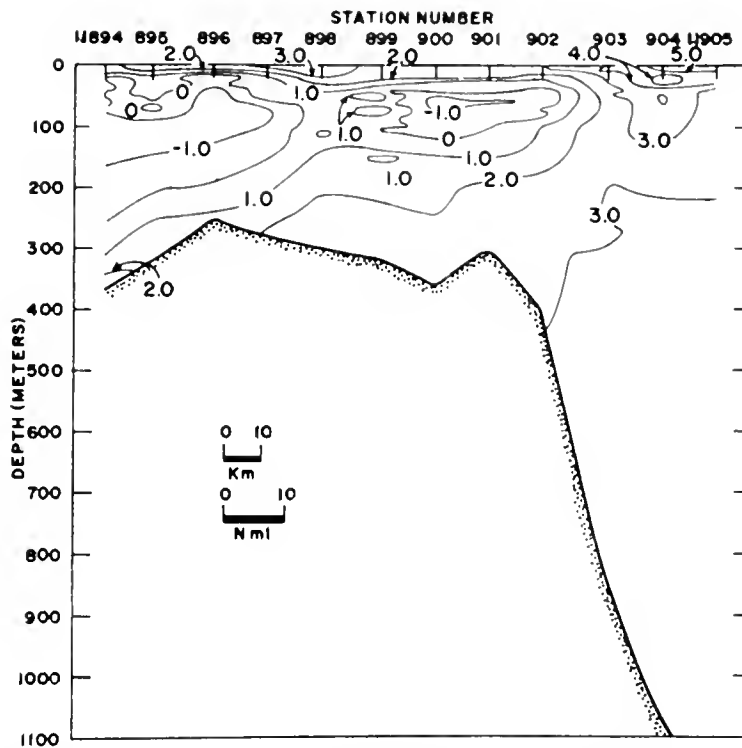
FIGURE 39a. Vertical temperature profile for Drift Study section 1 from data obtained by CGC EVERGREEN, 15–16 June 1975.
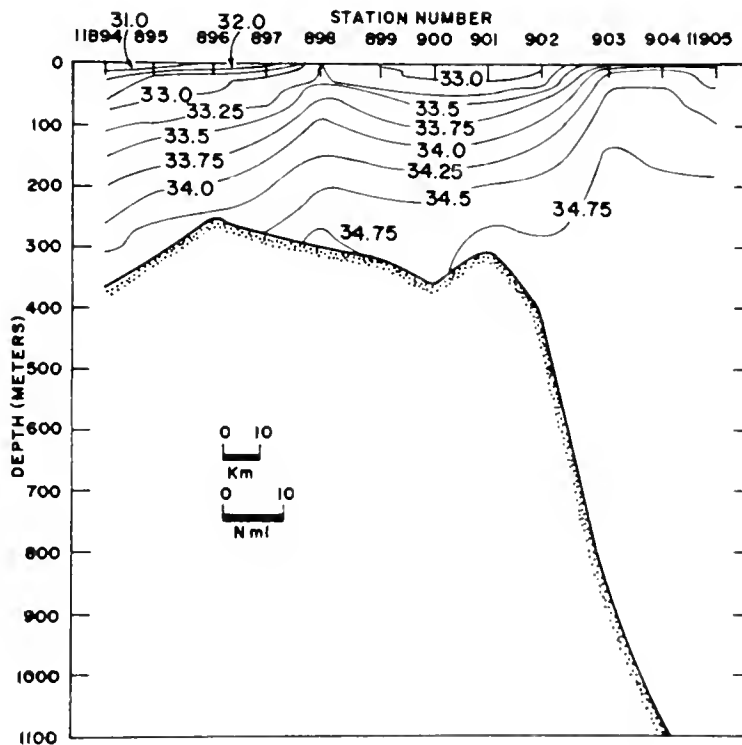
FIGURE 39b. Vertical salinity profile for Drift Study section 1 from data obtained by CGC EVERGREEN, 15–16 June 1975.
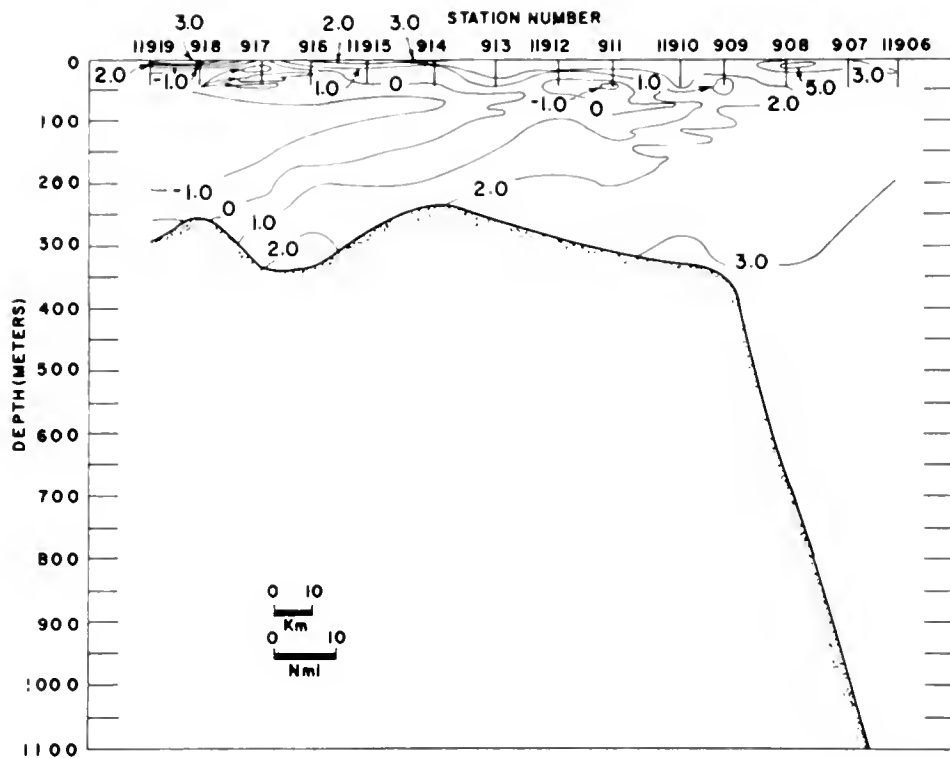
FIGURE 40a. Vertical temperature profile for Drift Study section 2 from data obtained by CGC EVERGREEN, 16–17 June 1975.
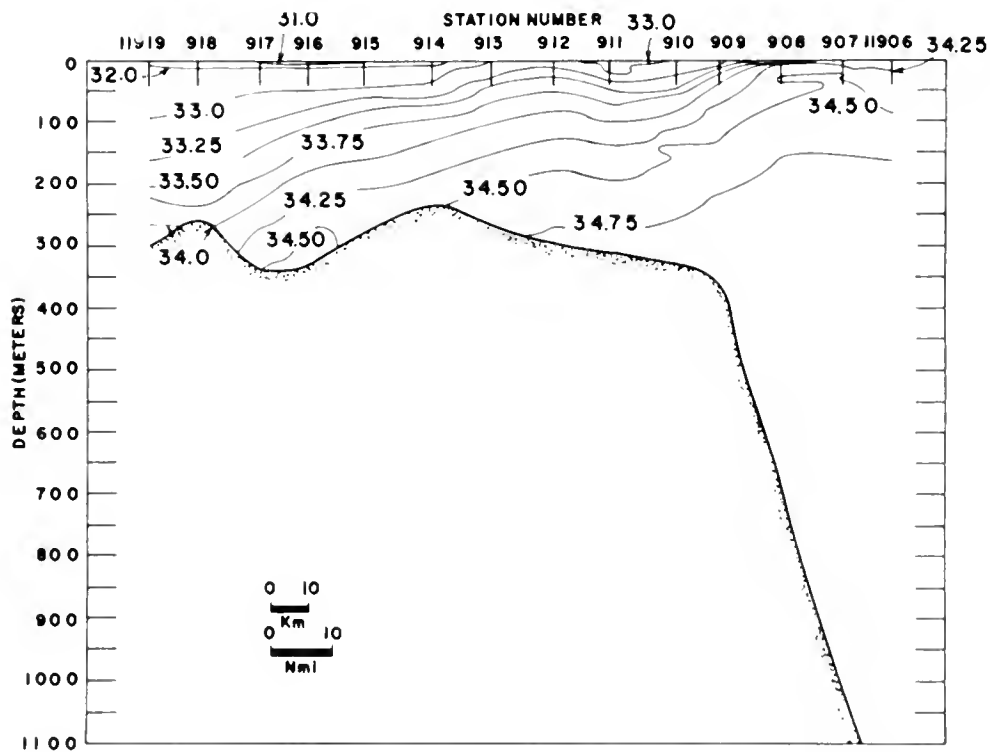
FIGURE 40b. Vertical salinity profile for Drift Study section 2 from data obtained by CGC EVERGREEN, 16–17 June 1975.
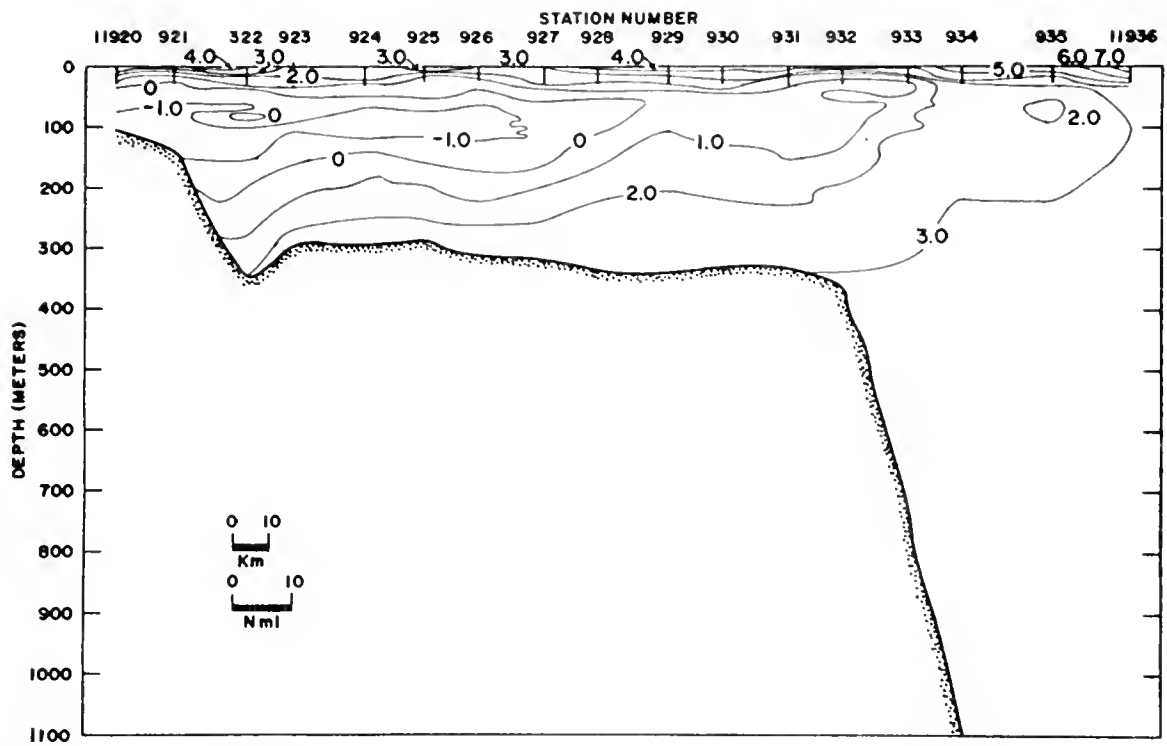
FIGURE 41a. Vertical temperature profile for section A1A from data obtained by CGC EVERGREEN, 18–19 June 1975.
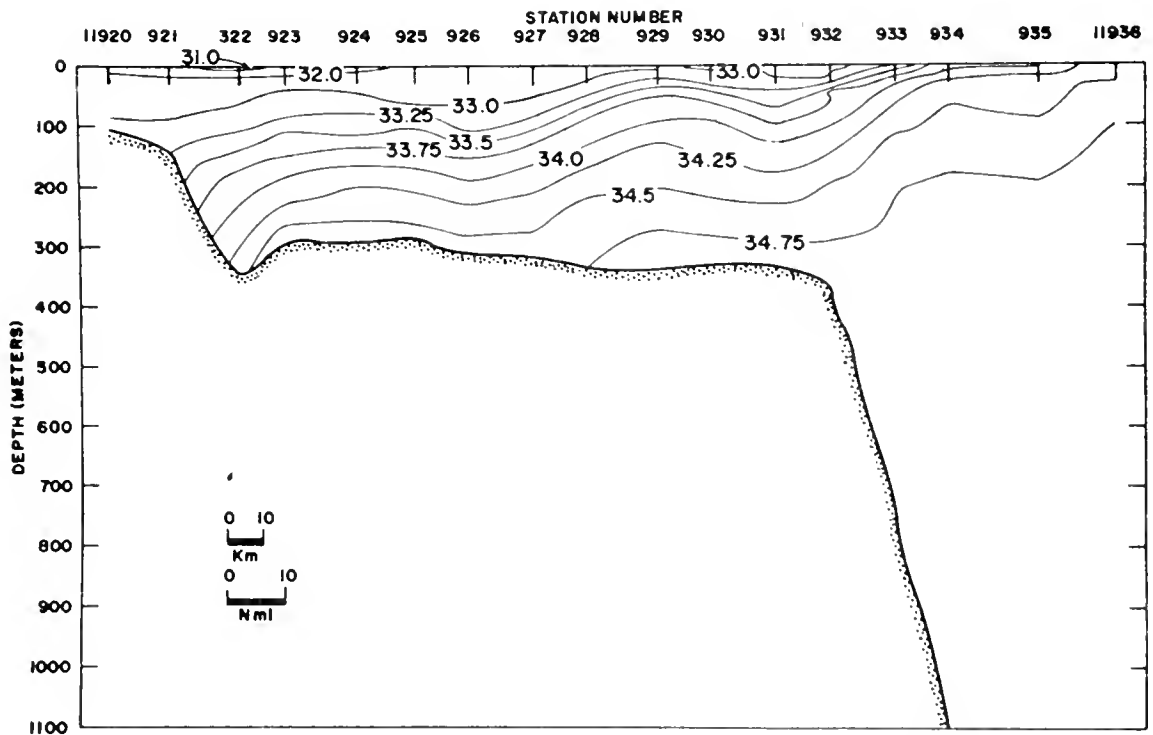
FIGURE 41b. Vertical salinity profile for section A1A from data obtained by CGC EVERGREEN, 18–19 June 1975

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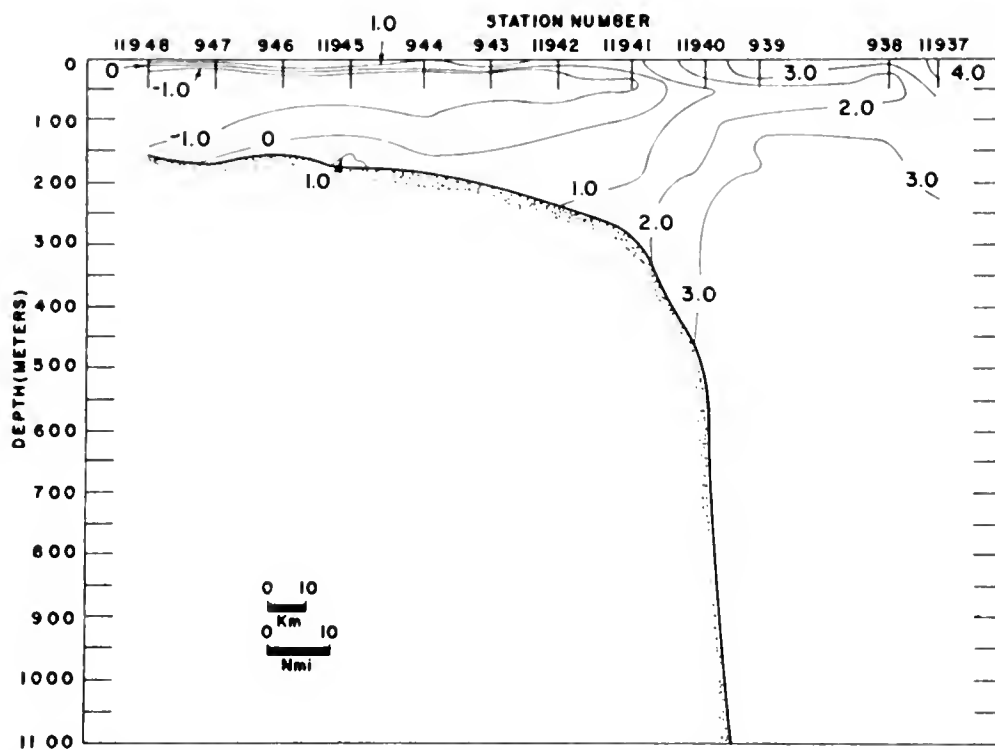
FIGURE 42a. Vertical temperature (°C) profile for section A1 from data obtained by CGC EVERGREEN, 29 June 1975.
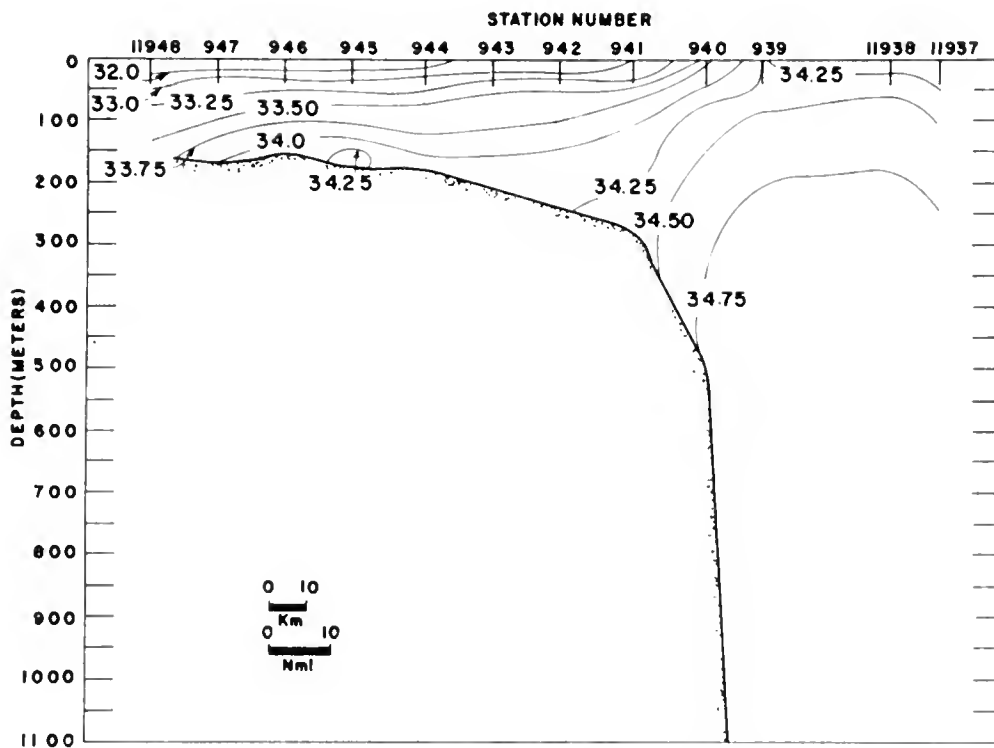
FIGURE 42b. Vertical salinity (°/oo) profile for section A1 from data obtained by CGC EVERGREEN, 29 June 1975.
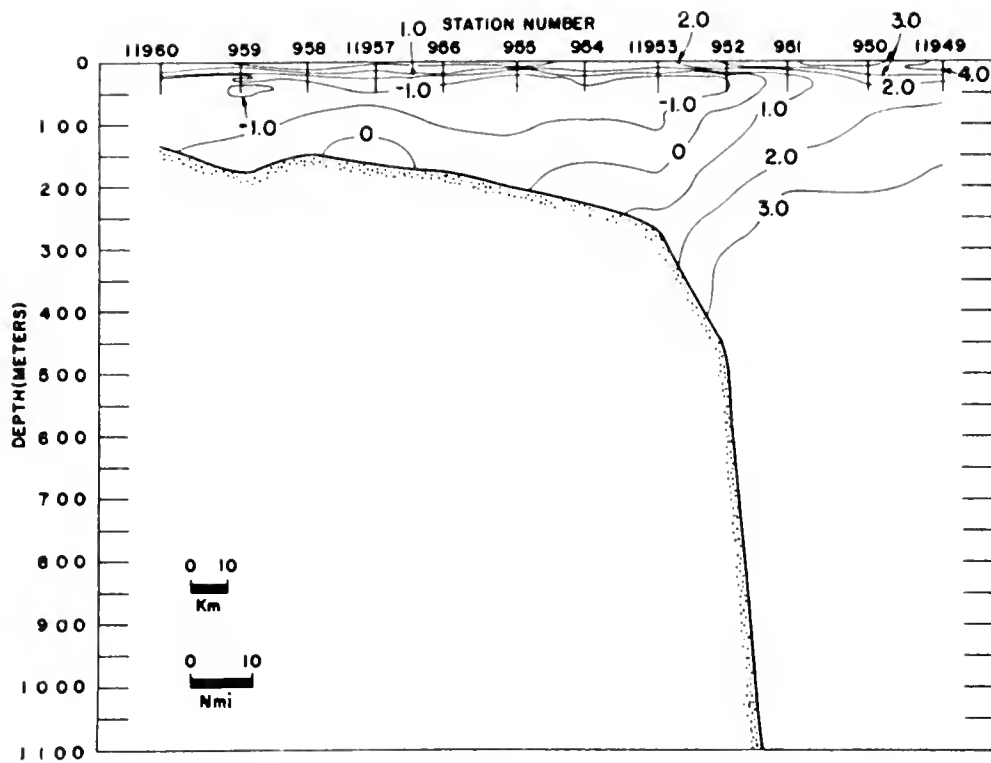
FIGURE 43a. Vertical temperature (°C) profile for section A1 from data obtained by CGC EVERGREEN, 30 June–1 July 1975.
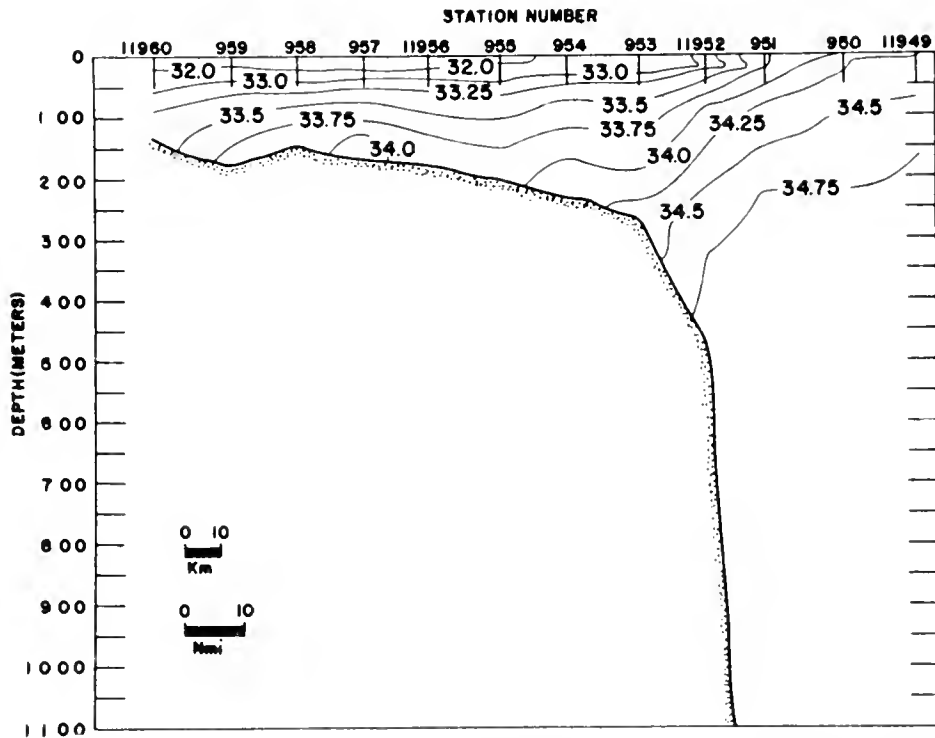
FIGURE 43b. Vertical salinity (°/oo) profile for section A1 from data obtained by CGC EVERGREEN, 30 June–1 July 1975.
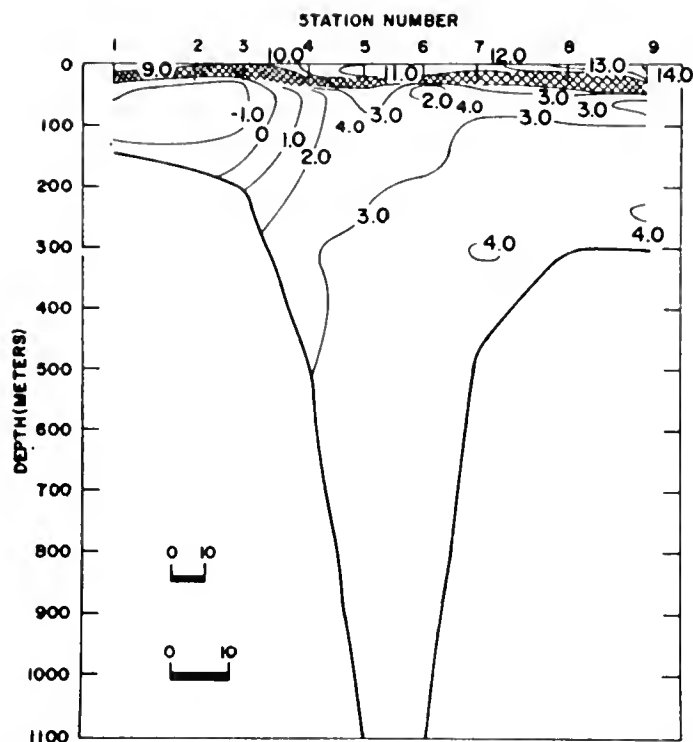
FIGURE 44a. Vertical temperature (°C) profile for section A2 from data obtained by CGC CHASE, 30 August 1975. The crosshatching indicates a high thermal gradient.
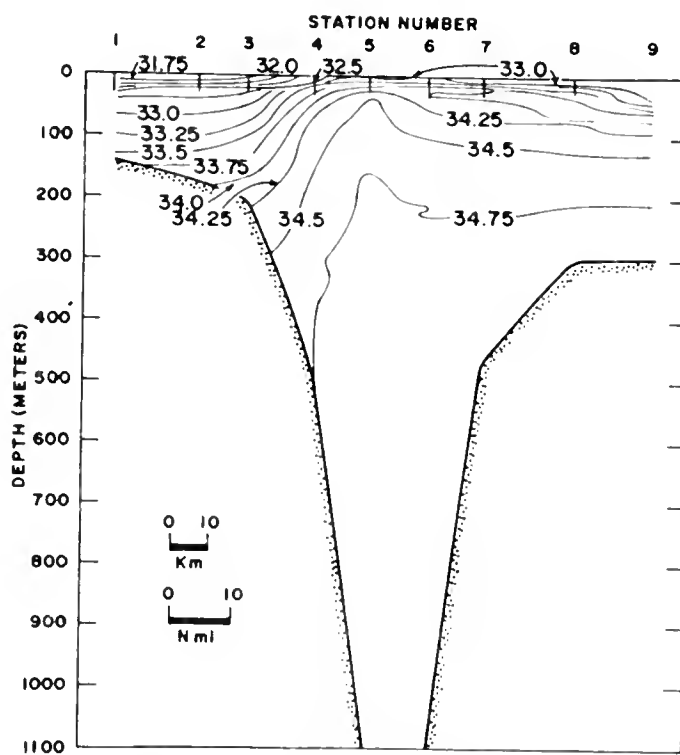
FIGURE 44b. Vertical salinity (°/₀₀) profile for section A2 from data obtained by CGC CHASE, 30 August 1975.
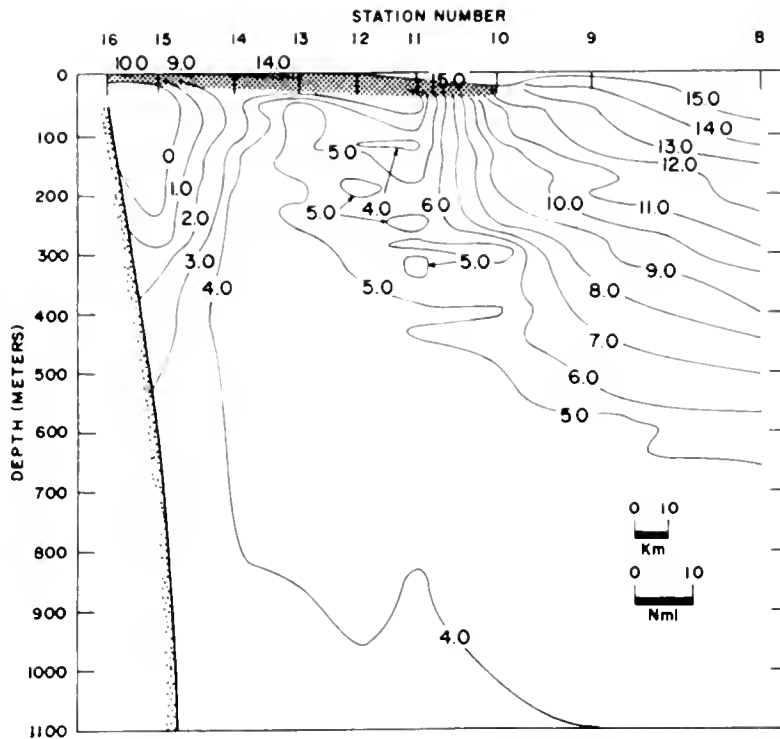
FIGURE 45a. Vertical temperature (°C) profile for section A3 from data obtained by CGC CHASE, 1 September 1975. The crosshatching indicates a high thermal gradient.
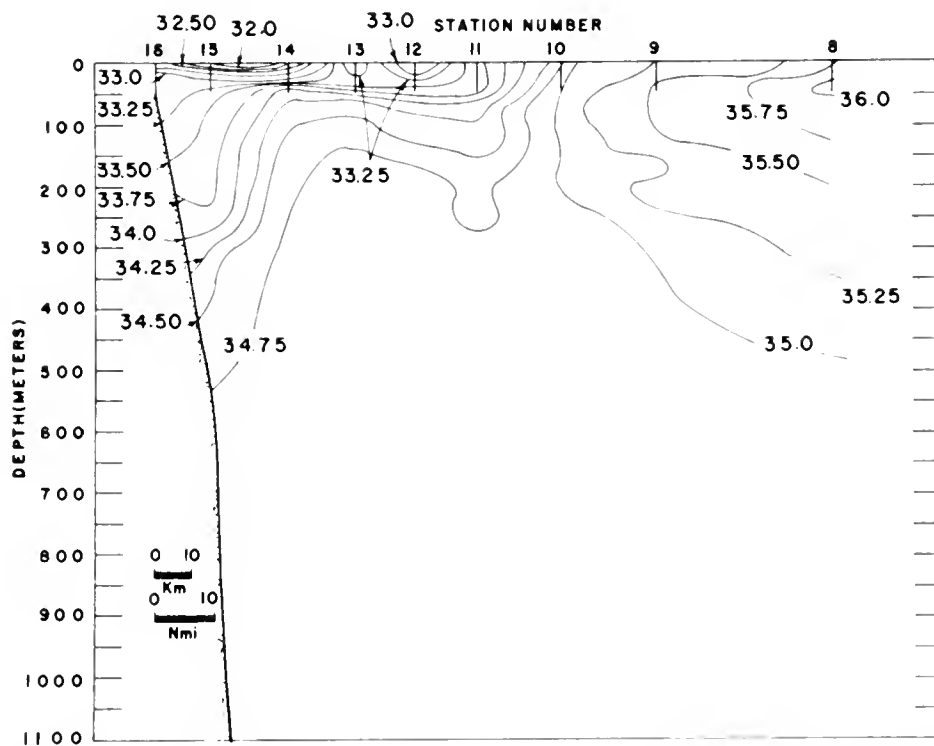
FIGURE 45b. Vertical salinity (°/oo) profile for section A3 from data obtained by CGC CHASE, 2 September 1975.
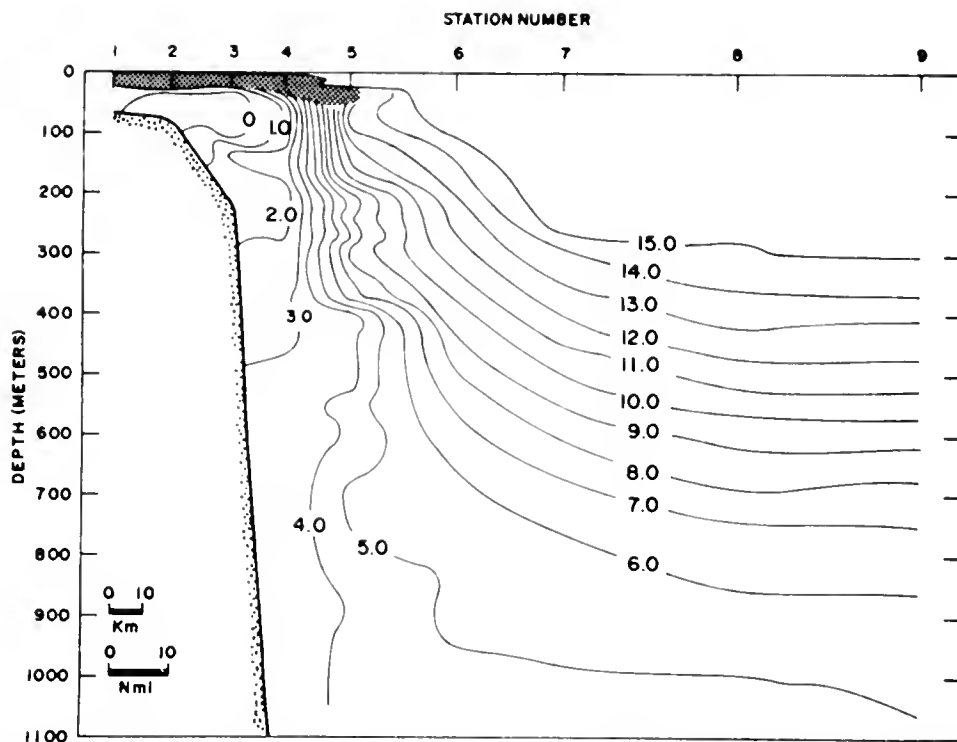
FIGURE 46a. Vertical temperature (°C) profile for section A4 from data obtained by CGC CHASE, 30 September 1975. The crosshatching indicates a high thermal gradient.
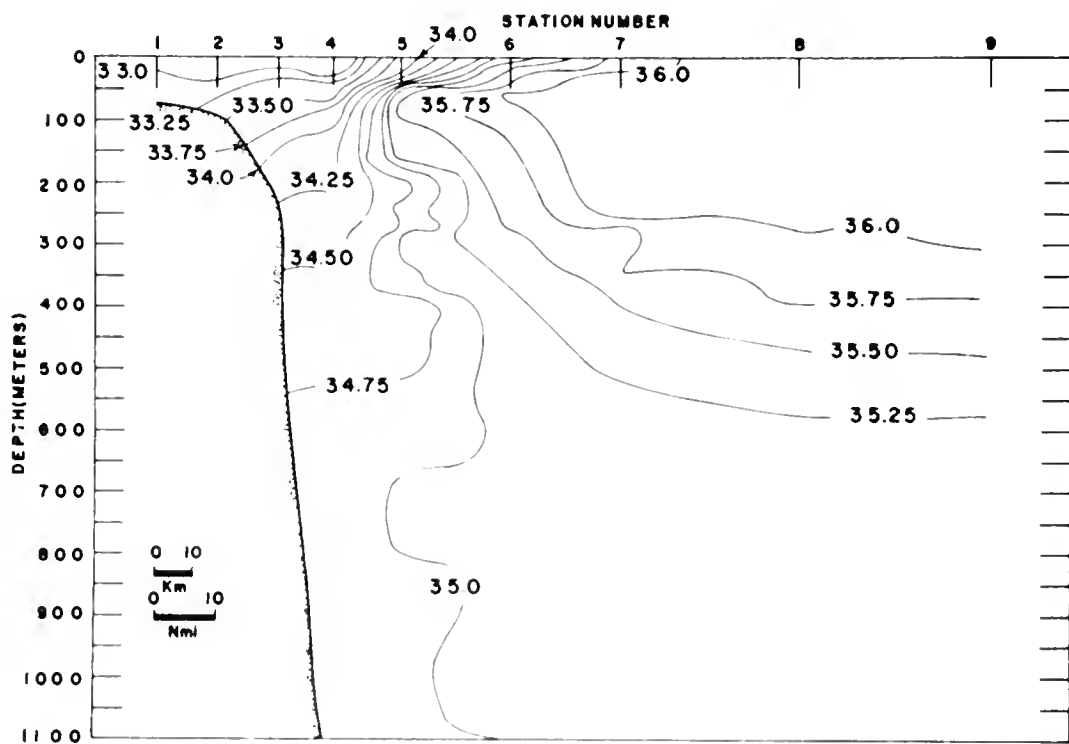
FIGURE 46b. Vertical salinity (°/$_{00}$) profile for section A4 from data obtained by CGC CHASE, 2 September 1975.
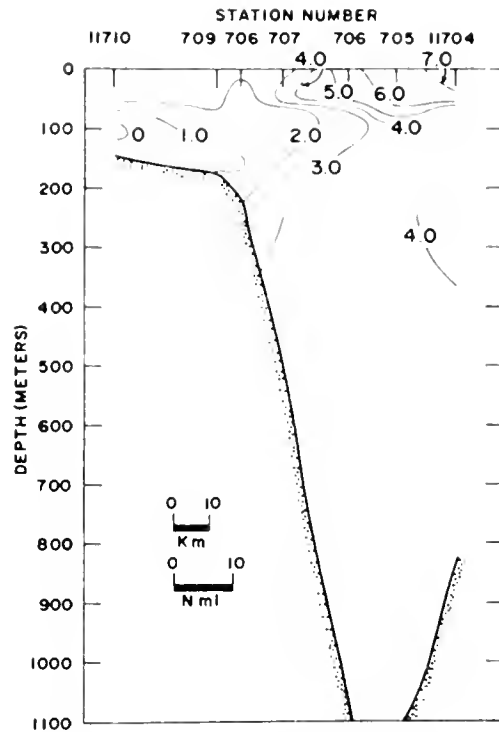
FIGURE 47a. Vertical temperature (°C) profile for section A2 from data obtained by CGC HAMILTON, 15–16 November 1975.
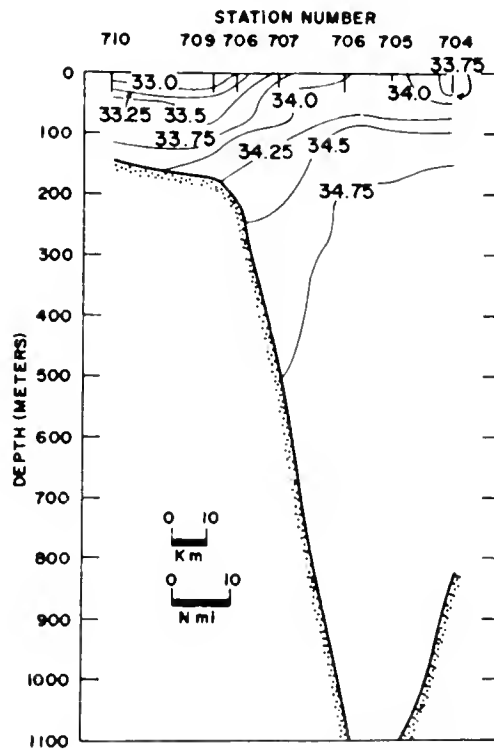
FIGURE 47b. Vertical salinity (°/oo) profile for section A2 from data obtained by CGC HAMILTON, 15–16 November 1975.
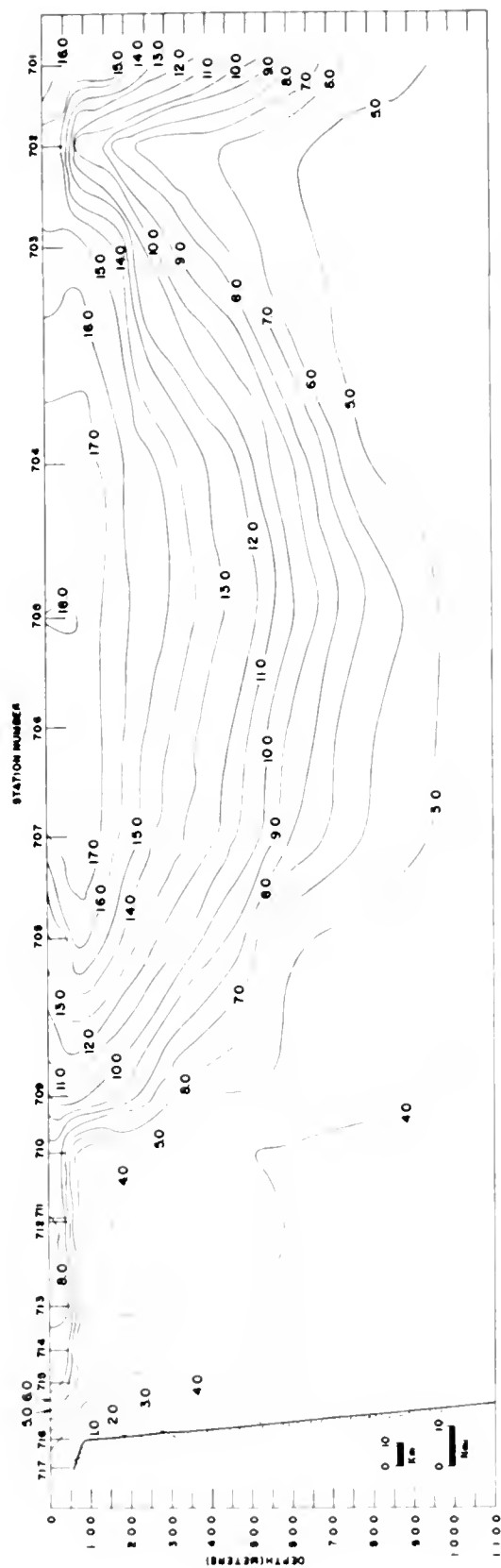
FIGURE 48a. Vertical temperature (°C) profile for section A3 from data obtained by CGC HAMILTON, 17–20 November 1975.
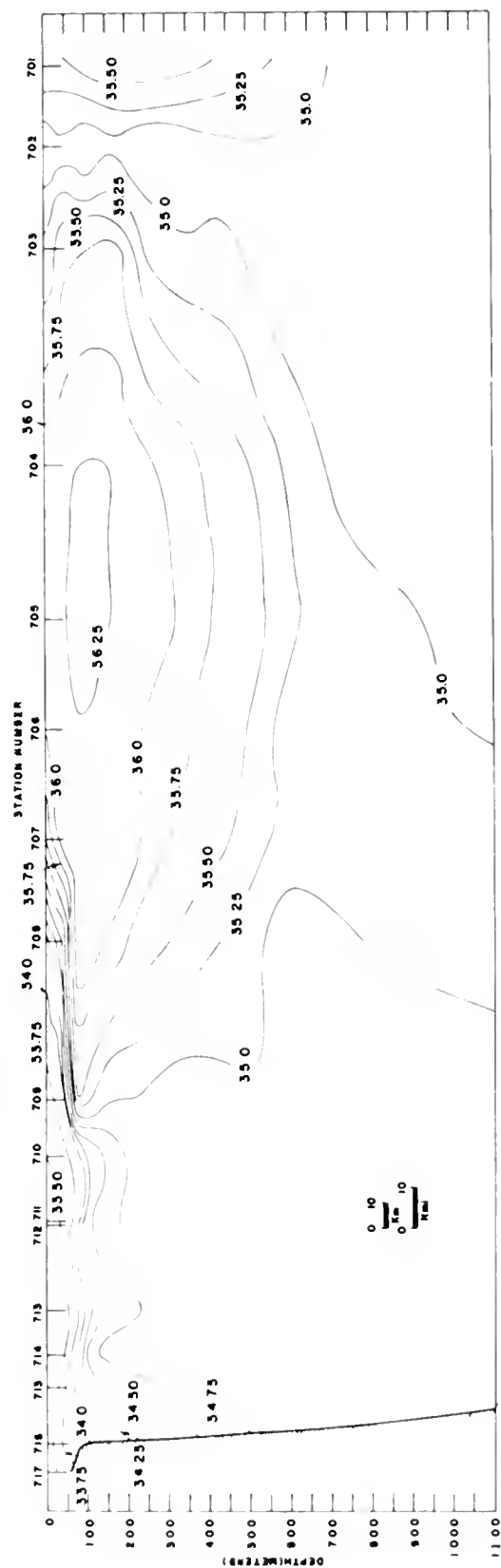
FIGURE 48b. Vertical salinity (°/₀₀) profile for section A3 from data obtained by CGC HAMILTON, 17–20 November 1975.
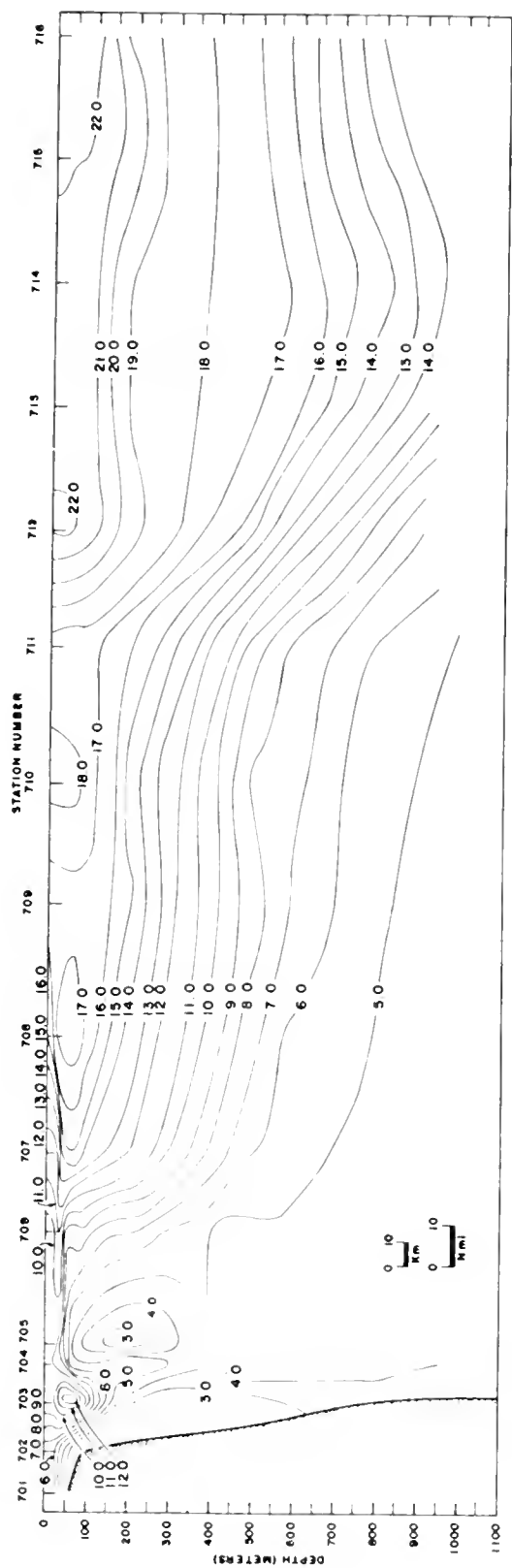
FIGURE 49a. Vertical temperature (°C) profile for section A4 from data obtained by CGC HAMILTON, 21–23 November 1975.
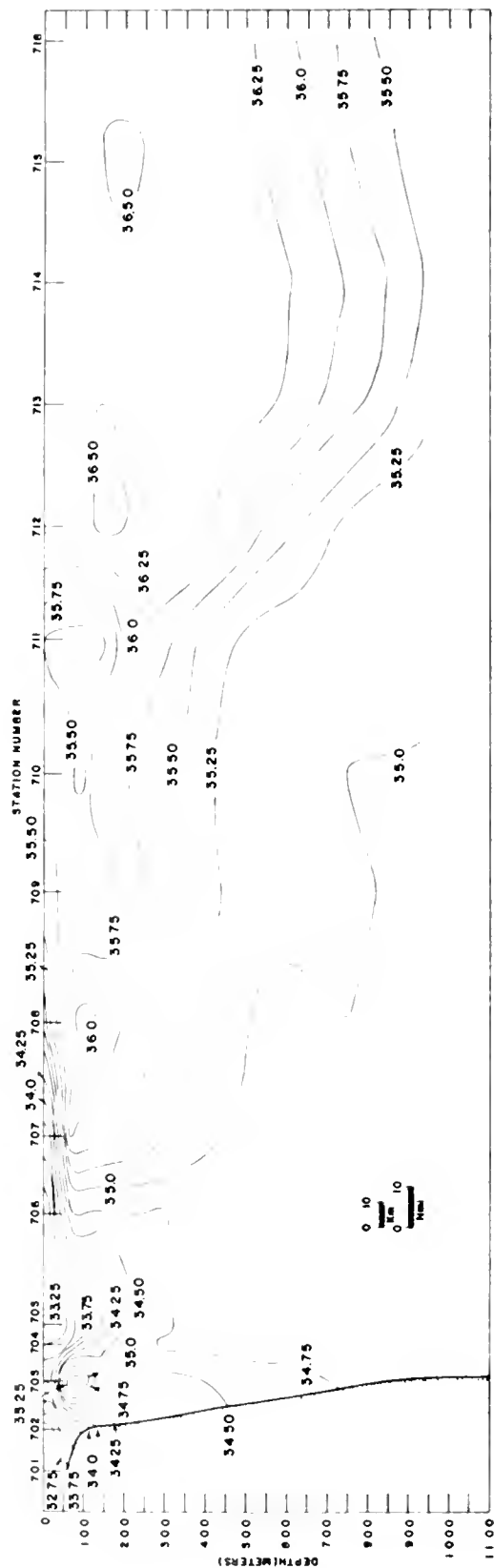
FIGURE 49b. Vertical salinity (°/₀₀) profile for section A4 from data obtained by CGC HAMILTON, 21–23 November 1975.

APPENDIX A

OCEANOGRAPHIC DATA

Cruises Listed

Codes Utilized

A complete description of the codes utilized in the tabulation of oceanographic station data can be found in National Oceanographic Data Center publication M-2, **Processing Physical and Chemical Data from Oceanographic Stations.** (Rev. August 1964, supplement issued May 1966.)

To facilitate use of the oceanographic station data listing, entry headings which are not self-explanatory are described below.

REFID	NODC reference identity number
CONSEC	Consecutive station number.
BOTDP (B)..............	Uncorrected sounding depth in meters.
SHIP (B).................	NODC assigned platform identity code.
DATA USE	Entry 4 identifies DNP data.
AREA	NODC ocean area code.
CLOUD T/A (B)	Cloud type according to WMO code 0500 and cloud amount according to WMO code 2700

Wave observations

DIR	Direction from which dominant waves are coming in tens of degrees according to WMO code 0885.
HGT	Height of dominant waves according to WMO code 1555.
PER	Period of dominant waves according to WMO code 3155.
SEA (B)	Sea state according to WMO code 3700.
CL/TR (B)	Water color according to forel-Ule code. Transparency in meters as determined by Secchi disc.
WIND DIR (B)	Direction from which wind is blowing in tens of degrees according to WMO code 0877
WIND SPD (B).............	Wind speed in knots.
WIND FOR (B)	Wind force in beaufort code.
WEATHER (B)	Weather code—If preceded by letter X is according to WMO code 4501. A numeric two digit entry indicates weather according to WMO code 4677.
INST....................	Instrument used for observation—"Nansen Cast" indicates station consists of Nansen cast data—"STD Recorder" indicates station consists of STD data or a mixture of STD and Nansen cast data.
TRACE DIR (B)............	"Trace" indicator U (UP), D (DOWN), and A (AVERAGED)—used with STD casts, and specify that data were taken while hoisting or lowering respectively or that the two traces were averaged
DURATION (B)	Time elapsed during raising or lowering of the STD recorder to tenths of hours.
ORIG (R)	Originator's reference number in two parts—cruise number or 3 characters (if year of cruise forms part of cruise number years digits may sometimes only be found in "Year" field), and station number.
TEN SQ	Ten-degree square—modified Canadian square number.
5 SQUARE.................	Five-degree squares—modified Canadian system.
2 SQUARE.................	Two-degree squares—modified Canadian system.
1 SQUARE.................	One-degree squares—modified Canadian system.
CASTNUM (B).............	Number of cast on multicast stations (blank when messenger time is given).
TIME (R)	Time of release of messenger in hour and tenths for applicable observed levels. If multicast series extends past midnight, 24 hours are added to cast time of next day. Beginning time for STD is given at first obs depth.
LVLTYP..................	Type of record at depth indicated. "OBS"—observed values. For STD recorder = level of data read-out. "STD"—NODC standard interpolated values. "ORG"—Standard or other depths carrying non-NODC interpolated values. "LIT"—Interpolated standard depth values used as obs for computational purposes. Note—When an observed level coincides with a STD depth level, both "STD" and "OBS" lines will appear.
DEPTH	Depth of sample (or standard level) in whole meters. Prefix "T" indicates thermometrically determined depth (depth of unprotected thermometers) Subscript "Q" indicates that the value is marked doubtful by the originator. A value designated as implausible by NODC is marked with a "P". Postscript "Z" indicates uncorrected and inaccurate 'Wire-out' depths (high wire angle present)
TEMP (B).................	Temperature in degrees celsius. For 'Q' and 'P' notation see depth field
SAL (B)	Salinity in parts per thousand. For 'Q' and 'P' notation see depth field
SIGMA-T (B)	Seawater density anomaly to 2 decimal places. When depth, temp, or salinity is doubtful, a 'Q' is suffixed. An asterisk indicates a decrease of 0.02 or more from the previous level.
DYNDPTH.................	Dynamic depth anomaly in dynamic meters to millimeters.
SND VEL (B)	Sound velocity in meters per second to decimeters according to Wilson's formula. (A standard depth-pressure term is used for stations not beginning at the surface)
OXYG (B)	Oxygen in ML/L to hundredths.

TABLE I.   USCGC CHASE, February, 1977.

N O C C   S T A T I O N   D A T A

REFID 31 8433	YEAR 1975	BOTOP 04480	AIR TEMP 16.0	DIR HGT PER	WIND-DIR 27	INST STC RECORDER		TEN SQ 1307
CONSEC 0001	MONTH 02	SHIP E1	WET BULB 16.3		WIND-SPD 25	TRACE DIR 0		5 SQUARE 1
LAT 40 18 N	DAY 08	DATA USE 1	BARCMETR 0995.3	SEA	WIND-FOR	CURATION		2 SQUARE 00
LONG 050 20 W	HOUR 03.4	AREA 0S	CLOUD T/A	CL/TR	WEATHER X2	ORIG A4 03101		3 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
	STD	00000	14.74	35.81	26.67	00.000	1507.6							
03.4	OBS	00000	14.74	35.81	26.67		1507.6							
	STD	00010	14.72	35.82	26.68	00.014	1507.7							
	OBS	00010	14.72	35.82	26.68		1507.7							
	STD	00020	14.73	35.82	26.68	00.027	1507.9							
	OBS	00020	14.73	35.82	26.68		1507.9							
	STD	00030	14.74	35.84	26.69	00.041	1508.2							
	OBS	00030	14.78	35.84	26.65		1508.2							
	STD	00050	14.77	35.85	26.70	00.065	1508.5							
	OBS	00050	14.77	35.85	26.70		1508.5							
	STD	00075	14.77	35.85	26.70	00.103	1508.5							
	OBS	00075	14.77	35.85	26.70		1508.9							
	STD	00100	14.76	35.85	26.70	00.138	1509.3							
	OBS	00100	14.76	35.85	26.70		1509.3							
	STD	00125	14.75	35.85	26.70	00.172	1509.7							
	OBS	00125	14.73	35.85	26.70		1509.7							
	STD	00150	14.75	35.84	26.69	00.207	1510.1							
	OBS	00150	14.75	35.84	26.69		1510.1							
	OBS	00185	14.75	35.84	26.69		1510.7							
	STD	00200	14.48	35.83	26.74	00.277	1510.0							
	OBS	00200	14.48	35.83	26.74		1510.0							
	STD	00250	13.18	35.71	26.92	00.341	1506.5							
	OBS	00250	13.18	35.71	26.92		1506.5							
	STD	00300	12.04	35.56	27.03	00.395	1503.2							
	OBS	00300	12.04	35.56	27.03		1503.2							
	STD	00400	09.03	35.22	27.30	00.498	1493.7							
	OBS	00400	09.03	35.22	27.30		1493.7							
	STD	00500	07.67	35.11	27.43	00.578	1490.0							
	OBS	00500	07.67	35.11	27.43		1490.0							
	STD	00600	06.19	35.00	27.55	00.647	1485.7							
	OBS	00600	06.19	35.00	27.55		1485.7							
	STD	00700	05.67	35.04	27.65	00.706	1485.3							
	OBS	00700	05.67	35.04	27.65		1485.3							
	STD	00800	05.30	35.05	27.70	00.755	1485.5							
	OBS	00800	05.30	35.05	27.70		1485.5							
	STD	00900	04.94	35.04	27.74	00.808	1485.7							
	OBS	00900	04.94	35.04	27.74		1485.7							
	STD	01000	04.66	35.00	27.74	00.856	1486.1							
	OBS	01000	04.66	35.00	27.74		1486.1							
	STD	01100	04.47	35.01	27.76	00.903	1487.0							
	OBS	01100	04.47	35.01	27.76		1487.0							
	STD	01200	04.32	34.56	27.76	00.950	1486.1							
	OBS	01200	04.32	34.56	27.76		1486.1							
	STD	01300	04.24	34.56	27.77	00.997	1485.4							
	OBS	01300	04.24	34.98	27.77		1489.4							
	STD	01400	04.04	34.56	27.77	01.044	1490.2							
	OBS	01400	04.04	34.56	27.77		1490.2							
	STD	01500	03.58	34.95	27.77	01.092	1491.6							
	OBS	01500	03.58	34.95	27.77		1491.6							

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TABLE 1. USCGC CHASE, February, 1977. Continued

NODC STATION DATA

SEFIO 31 8433	YEAR 1575	BOTOP 04572	AIR TEMP 11.1	DIR HGT PER	*IND-DIR 31	INST STD RECORDER	TEN SQ 1307
CONSEC 0002	MONTH 02	SHIP E1	WET BULB 09.9		*IND-SPD 30	TRACE DIR C	5 SQUARE 1
LAT 40 50 N	DAY 08	DATA USE 1	BARCMETA 0994.9	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 15.5W	HOUR 07.5	AREA 05	CLOUD T/A	CL/TR	WEATHER A2	DAIG A4 03102	1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT R	NO2	NO3	SIO3	PH
	STD	00010	14.98	35.93	26.71		1508.6							
	OBS	00010	14.98	35.93	26.71		1508.6							
	STD	00020	14.97	35.92	26.70		1508.8							
	OBS	00020	14.97	35.92	26.70		1508.8							
	STD	00030	15.00	35.93	26.71		1509.0							
	OBS	00030	15.00	35.93	26.71		1509.0							
	OBS	00040	14.85	35.88	26.70		1508.7							
	STD	00050	14.77	35.88	26.72		1508.6							
	OBS	00050	14.77	35.88	26.72		1508.6							
	STD	00075	14.70	35.88	26.73		1508.7							
	OBS	00075	14.70	35.88	26.73		1508.7							
	STD	00100	14.66	35.88	26.74		1509.0							
	OBS	00100	14.66	35.88	26.74		1509.0							
	STD	00125	14.64	35.87	26.74		1509.4							
	OBS	00125	14.64	35.87	26.74		1509.4							
	STD	00150	14.62	35.85	26.73		1509.7							
	OBS	00150	14.62	35.85	26.73		1509.7							
	STD	00200	14.45	35.84	26.76		1509.9							
	STD	00250	14.28	35.80	26.76		1510.2							
	OBS	00250	14.28	35.80	26.76		1510.2							
	STD	00300	13.33	35.73	26.91		1507.8							
	OBS	00300	13.33	35.73	26.91		1507.8							
	STD	00400	10.54	35.37	27.17		1499.4							
	OBS	00400	10.54	35.37	27.17		1499.4							
	STD	00500	08.19	35.13	27.37		1492.0							
	OBS	00500	08.19	35.13	27.37		1492.0							
	STD	00600	06.40	35.02	27.54		1486.6							
	OBS	00600	06.40	35.02	27.54		1486.6							
	STD	00700	05.50	34.99	27.63		1484.6							
	OBS	00700	05.50	34.99	27.63		1484.6							
	OBS	00705	05.70	35.06	27.66		1485.6							
	STD	00800	05.35	35.06	27.70		1485.7							
	OBS	00800	05.35	35.06	27.70		1485.7							
	OBS	00870	04.75	34.97	27.70		1484.3							
	STD	00900	04.91	35.04	27.74		1485.6							
	OBS	00900	04.91	35.04	27.74		1485.6							
	STD	01000	04.72	35.00	27.73		1486.4							
	OBS	01000	04.72	35.00	27.73		1486.4							
	STD	01100	04.55	34.99	27.74		1487.3							
	OBS	01100	04.55	34.99	27.74		1487.3							
	STD	01200	04.20	34.94	27.74		1487.5							
	OBS	01200	04.20	34.94	27.74		1487.5							
	STD	01300	04.00	34.92	27.74		1488.3							
	OBS	01300	04.00	34.92	27.74		1488.3							
	STD	01400	03.95	34.92	27.75		1489.8							
	OBS	01400	03.95	34.92	27.75		1489.8							
	STD	01500	03.87	34.91	27.75		1491.1							
	OBS	01500	03.87	34.91	27.75		1491.1							

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TABLE I. USCGC CHASE, February, 1977.– Continued

NODC STATION DATA

FEFID 31 8433	YEAR 1975	BOTOP 04206	AIR TEMP 05.3	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1307
CONSEC 0C03	MONTH 02	SHIP E1	WET BULB 08.0	23 5 6	WIND-SPD 25	TRACE DIR 0	S SQUARE 1
LAT 41 22 N	DAY 08	DATA USE 1	BAROMETR 1000.1	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 22.5W	HOUR 11.3	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	DR16 A4 03103	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.97	35.93	26.71	00.000	1508.4							
11.3	OBS	C0000	14.97	35.93	26.71		1508.4							
	STD	00010	14.97	35.93	26.71	00.013	1508.6							
	OBS	C0010	14.97	35.93	26.71		1508.6							
	STD	00020	14.98	35.93	26.71	00.027	1508.8							
	OBS	00020	14.98	35.93	26.71		1508.8							
	STD	00030	14.98	35.93	26.71	00.040	1509.0							
	OBS	00033	14.98	35.93	26.71		1509.0							
	STD	00050	14.99	35.93	26.71	00.067	1509.3							
	OBS	00050	14.99	35.93	26.71		1509.3							
	STD	00075	14.99	35.93	26.71	00.102	1509.7							
	OBS	00075	14.99	35.93	26.71		1509.7							
	STD	00100	14.99	35.93	26.71	00.136	1510.1							
	OBS	C0100	14.99	35.93	26.71		1510.1							
	STD	00125	15.00	35.93	26.71	00.170	1510.6							
	OBS	00125	15.00	35.93	26.71		1510.6							
	STD	C0150	15.00	35.93	26.71	00.205	1511.0							
	OBS	00153	15.00	35.93	26.71		1511.0							
	OBS	00170	15.00	35.93	26.71		1511.3							
	STD	C0200	14.21	35.85	26.82	00.272	1509.2							
	OBS	00200	14.21	35.85	26.82		1509.2							
	STD	00250	13.26	35.75	26.94	00.335	1506.8							
	OBS	00253	13.26	35.75	26.94		1506.8							
	STD	00300	11.93	35.58	27.07	00.392	1502.9							
	OBS	00300	11.93	35.58	27.07		1502.9							
	STD	00400	09.37	35.27	27.29	00.489	1495.0							
	OBS	00400	09.37	35.27	27.29		1495.0							
	STD	00500	07.48	35.12	27.47	00.569	1489.3							
	OBS	C0500	07.48	35.12	27.47		1489.3							
	OBS	00566	05.43	34.88	27.55		1481.8							
	OBS	00590	05.85	34.94	27.55		1484.1							
	STD	C0600	05.73	34.94	27.56	00.635	1483.8							
	OBS	00600	05.73	34.94	27.56		1483.8							
	OBS	C0610	05.88	35.00	27.59		1484.6							
	OBS	00620	05.73	34.99	27.60	..	1484.2							
	OBS	00640	05.95	35.08	27.64		1485.5							
	STD	00700	05.46	35.06	27.69	00.691	1484.5							
	OBS	00700	05.46	35.06	27.69		1484.5							
	STD	00800	05.04	35.05	27.73	00.740	1484.4							
	OBS	00800	05.04	35.05	27.73		1484.4							
	STD	00900	04.56	35.00	27.75	00.787	1484.1							
	OBS	00900	04.56	35.00	27.75		1484.1							
	STD	01000	04.42	34.98	27.75	00.833	1485.1							
	OBS	01000	04.42	34.98	27.75		1485.1							
	STD	01100	04.38	34.98	27.75	00.880	1486.5							
	OBS	01100	04.38	34.98	27.75		1486.5							
	STD	01200	04.24	34.97	27.76	00.926	1487.7							
	OBS	01200	04.24	34.97	27.76		1487.7							
	STD	01300	04.09	34.96	27.77	00.973	1488.7							
	OBS	01300	04.09	34.96	27.77		1488.7							
	STD	01400	03.94	34.95	27.77	01.020	1489.8							
	OBS	C1400	03.94	34.95	27.77		1489.8							
	STD	01500	03.97	34.94	27.76	01.067	1491.6							
	OBS	01500	03.97	34.94	27.76		1491.6							

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TABLE I. USCGC CHASE, February, 1977. Continued

NODC STATION DATA

REFID 31 8433	YEAR 1975	BOTOP 03750	AIR TEMP 07.1	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SO 1307
CONSEC 0004	MONTH 02	SHIP E1	WET BULB 05.5	23 3 5	WIND-SPD 20	TRACE DIR D	5 SQUARE 1
LAT 41 52.3N	DAY 08	DATA USE 1	BARCMETA 1001.0	SEA	WIND-FOR	DURATION	2 SQUARE 05
LONG 050 28.1W	HOUR 15.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DRIE A4 03104	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.95	33.78	26.49	00.000	1477.3							
15.4	OBS	00000	06.95	33.78	26.49		1477.3							
	STD	00010	06.83	33.69	26.43 ●	00.016	1476.8							
	OBS	00010	06.83	33.69	26.43		1476.8							
	STD	00020	08.70	33.68	26.15 ●	00.033	1484.2							
	OBS	00020		33.68										
	STD	00030	10.29	33.70	25.91 ●	00.053	1490.3							
	OBS	00030		33.70										
	STD	00050	12.58	35.34	26.76	00.087	1500.7							
	OBS	00050	12.58	35.34	26.76		1500.7							
	OBS	00058	13.17	35.56	26.81		1503.1							
	STD	00075	12.64	35.52	26.88	00.119	1501.5							
	OBS	00078	12.55	35.51	26.90		1501.3							
	OBS	00090	12.93	35.61	26.90		1502.9							
	STD	00100	12.32	35.55	26.97	00.148	1500.9							
	OBS	00100	12.32	35.55	26.97		1500.9							
	OBS	00115	11.93	35.49	27.00		1499.7							
	STD	00125	12.23	35.58	27.01	00.175	1501.0							
	OBS	00125	12.23	35.58	27.01		1501.0							
	OBS	00130	12.38	35.60	27.00		1501.7							
	STD	00150	11.68	35.54	27.09	00.202	1499.5							
	OBS	00150	11.68	35.54	27.09		1499.5							
	STD	00200	10.58	35.40	27.18	00.251	1496.3							
	OBS	00200	10.58	35.40	27.18		1496.3							
	STD	00250	09.61	35.31	27.28	00.296	1493.5							
	OBS	00250	09.61	35.31	27.28		1493.5							
	STD	00300	08.52	35.17	27.35	00.337	1490.0							
	OBS	00300	08.52	35.17	27.35		1490.0							
	OBS	00350	06.47	34.87	27.41		1482.5							
	OBS	00360	06.78	34.95	27.43		1484.0							
	STD	00400	05.34	34.72	27.43	00.412	1478.6							
	OBS	00400	05.34	34.72	27.43		1478.6							
	OBS	00440	06.43	35.08	27.58		1484.1							
	STD	00500	05.19	34.93	27.62	00.474	1479.9							
	OBS	00500	05.19	34.93	27.62		1479.9							
	OBS	00510	05.14	34.93	27.62		1479.9							
	OBS	00545	05.57	35.05	27.67		1482.4							
	STD	00600	05.34	35.05	27.70	00.526	1482.4							
	OBS	00600	05.34	35.05	27.70		1482.4							
	STD	00700	05.00	35.03	27.72	00.574	1482.6							
	OBS	00700	05.00	35.03	27.72		1482.6							
	STD	00800	04.71	35.03	27.75	00.619	1483.1							
	OBS	00800	04.71	35.03	27.75		1483.1							
	OBS	00830	04.44	34.97	27.74		1482.4							
	STD	00900	04.34	34.97	27.75	00.664	1483.1							
	OBS	00900	04.34	34.97	27.75		1483.1							
	STD	01000	04.26	34.97	27.76	00.709	1484.5							
	OBS	01000	04.26	34.97	27.76		1484.5							
	STD	01100	04.31	34.97	27.75	00.755	1486.3							
	OBS	01100	04.31	34.97	27.75		1486.3							
	STD	01200	04.27	35.11	27.87	00.797	1488.0							
	OBS	01200	04.27	35.11	27.87		1488.0							
	STD	01300	04.14	35.10	27.87	00.835	1489.1							
	OBS	01300	04.14	35.10	27.87		1489.1							
	STD	01400	04.03	35.09	27.88	00.872	1490.4							
	OBS	01400	04.03	35.09	27.88		1490.4							
	STD	01500	03.97	35.06	27.86	00.910	1491.7							
	OBS	01500	03.97	35.06	27.86		1491.7							

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Table 1. USCGC CHASE, February, 1977.– Continued

NODC STATION DATA

REFID 31 8433	YEAR 1977	BOTDP 02377	AIR TEMP	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SO 1307
CONSEC 0005	MONTH 02	SHIP E1	WET BULB	30 3 6	WIND-SPD 25	TRACE DIR 0	5 SQUARE 1
LAT 42 11.0N	DAY 08	DATA USE 1	BAROMETR 1001.0	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 25.8W	HOUR 18.1	AREA 05	CLOUD 7/8	CL/TR	WEATHER X1	ORIG A4 0310S	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.69	33.48	26.41	00.000	1471.8							
18.1	OBS	00000	05.69	33.48	26.41		1471.8							
	STD	00010	05.68	33.47	26.41	00.016	1471.9							
	OBS	00010	05.68	33.47	26.41		1471.9							
	STD	00020	05.31	33.46	26.44	00.032	1470.6							
	OBS	00020	05.31	33.46	26.44		1470.6							
	STD	00030	06.33	33.68	26.49	00.048	1475.2							
	OBS	00030	06.33	33.68	26.49		1475.2							
	STD	00050	07.52	33.94	26.53	00.079	1480.5							
	OBS	00050	07.52	33.94	26.53		1480.5							
	STD	00075	09.12	34.64	26.84	00.113	1487.9							
	OBS	00075	09.12	34.64	26.84		1487.9							
	OBS	00080	09.91	34.89	26.90		1491.2							
	STD	00100	08.82	34.80	27.01	00.142	1487.4							
	OBS	00100	08.82	34.80	27.01		1487.4							
	STD	00125	06.81	34.52	27.09	00.168	1479.7							
	OBS	00125	06.81	34.52	27.09		1479.7							
	STD	00150	06.43	34.54	27.15	00.193	1478.7							
	OBS	00150	06.43	34.54	27.15		1478.7							
	OBS	00160	04.67	34.40	27.26		1471.8							
	STD	00200	05.17	34.47	27.26	00.237	1474.3							
	OBS	00200	05.17	34.47	27.26		1474.3							
	OBS	00240	04.19	34.42	27.33		1470.8							
	STD	00250	04.30	34.46	27.35	00.278	1471.5							
	OBS	00250	04.30	34.46	27.35		1471.5							
	OBS	00270	04.63	34.50	27.34		1473.3							
	STD	00300	04.00	34.50	27.41	00.314	1471.1							
	OBS	00300	04.00	34.50	27.41		1471.1							
	OBS	00320	03.87	34.52	27.44		1470.9							
	OBS	00370	05.83	35.04	27.63		1480.5							
	STD	00400	05.54	35.02	27.65	00.375	1479.8							
	OBS	00400	05.54	35.02	27.65		1479.8							
	STD	00500	05.14	35.01	27.69	00.424	1479.8							
	OBS	00500	05.14	35.01	27.69		1479.8							
	STD	00600	04.87	35.01	27.72	00.471	1480.4							
	OBS	00600	04.87	35.01	27.72		1480.4							
	STD	00700	04.65	35.00	27.74	00.518	1481.1							
	OBS	00700	04.65	35.00	27.74		1481.1							
	STD	00800	04.30	34.97	27.75	00.560	1481.3							
	OBS	00800	04.30	34.97	27.75		1481.3							
	STD	00900	03.90	34.91	27.75	00.604	1481.2							
	OBS	00900	03.90	34.91	27.75		1481.2							
	OBS	00920	04.01	34.93	27.75		1482.0							
	OBS	00985	03.81	34.89	27.74		1482.2							
	STD	01000	03.86	34.90	27.74	00.649	1482.7							
	OBS	01000	03.86	34.90	27.74		1482.7							
	OBS	01010	03.91	34.90	27.74		1483.1							
	OBS	01040	03.77	34.89	27.74		1483.0							
	STD	01100	04.11	34.96	27.76	00.695	1485.5							
	OBS	01100	04.11	34.96	27.76		1485.5							
	STD	01200	04.02	34.95	27.77	00.740	1486.8							
	OBS	01200	04.02	34.95	27.77		1486.8							
	STD	01300	04.02	34.95	27.77	00.786	1488.4							
	OBS	01300	04.02	34.95	27.77		1488.4							
	STD	01400	03.95	34.94	27.77	00.833	1489.8							
	OBS	01400	03.95	34.94	27.77		1489.8							
	STD	01500	03.85	34.92	27.76	00.881	1491.1							
	OBS	01500	03.85	34.92	27.76		1491.1							

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TABLE I. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA

REFID	31	8433	YEAR 1975	BOTDP 02377	AIR TEMP 03.0	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEM SQ 1307
CONSEC		0006	MONTH 02	SHIP E1	WET BULB 02.0	27 4 6	WIND-SPD 20	TRACE DIR D	5 SQUARE 1
LAT	42 28	N	DAY 08	DATA USE 1	BARCMETR 1003.0	SEA	WIND-FOR	DURATICA	2 SQUARE 20
LONG	050 24	W	HOUR 20.9	AREA 05	CLCUO T/A	CL/TR	WEATHER X1	ORIG A4 03106	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OAYG	PO4	TOT P	MO2	NO3	SIO3	PH
	STD	00000	03.86	33.12	26.33	00.000	1463.7							
20.9	OBS	00000	03.86	33.12	26.33		1463.7							
	STD	00010	03.87	33.13	26.34	00.017	1464.0							
	OBS	00010	03.87	33.13	26.34		1464.0							
	STD	00020	03.86	33.13	26.34	00.034	1464.1							
	OBS	00020	03.86	33.13	26.34		1464.1							
	STD	00030	03.59	33.13	26.36	00.051	1463.1							
	OBS	00030	03.59	33.13	26.36		1463.1							
	STD	00050	02.47	33.34	26.63	00.082	1458.9							
	OBS	00050	02.47	33.34	26.63		1458.9							
	STD	00075	03.22	33.78	26.91	00.114	1463.1							
	OBS	00075	03.22	33.78	26.91		1463.1							
	OBS	00090	03.22	33.80	26.93		1463.4							
	STD	00100	03.42	33.96	27.04	00.141	1464.6							
	OBS	00100	03.42	33.96	27.04		1464.6							
	OBS	00105	03.27	34.04	27.12		1464.2							
	STD	00125	02.82	34.04	27.16	00.166	1462.6							
	OBS	00125	02.82	34.04	27.16		1462.6							
	STD	00150	02.98	34.16	27.24	00.188	1463.8							
	OBS	00150	02.98	34.16	27.24		1463.8							
	OBS	00150	03.73	34.44	27.39		1468.1							
	STD	00200	03.58	34.47	27.43	00.226	1467.7							
	OBS	00200	03.58	34.47	27.43		1467.7							
	OBS	00225	04.30	34.66	27.51		1471.4							
	STD	00250	04.08	34.72	27.58	00.257	1470.9							
	OBS	00250	04.08	34.72	27.58		1470.9							
	STD	00300	04.08	34.73	27.58	00.284	1471.8							
	OBS	00300	04.08	34.73	27.58		1471.8							
	STD	00400	04.13	34.86	27.68	00.334	1473.8							
	OBS	00400	04.13	34.86	27.68		1473.8							
	OBS	00450	03.93	34.86	27.70		1473.8							
	OBS	00450	04.23	34.97	27.76		1475.9							
	STD	00500	04.05	34.94	27.75	00.377	1475.2							
	OBS	00500	04.05	34.94	27.75		1475.2							
	OBS	00530	04.55	35.00	27.75		1477.9							
	OBS	00560	04.25	34.97	27.76		1477.1							
	OBS	00580	04.65	35.01	27.74		1479.1							
	STD	00600	04.47	34.99	27.75	00.418	1478.7							
	OBS	00600	04.47	34.99	27.75		1478.7							
	STD	00700	04.39	34.98	27.75	00.461	1480.0							
	OBS	00700	04.39	34.98	27.75		1480.0							
	STD	00800	04.32	34.98	27.76	00.504	1481.4							
	OBS	00800	04.32	34.98	27.76		1481.4							
	STD	00900	04.20	34.97	27.76	00.548	1482.5							
	OBS	00900	04.20	34.97	27.76		1482.5							
	STD	01000	04.02	34.96	27.77	00.591	1483.4							
	OBS	01000	04.02	34.96	27.77		1483.4							
	STD	01100	04.04	34.96	27.77	00.635	1485.2							
	OBS	01100	04.04	34.96	27.77		1485.2							
	STD	01200	03.98	34.95	27.77	00.680	1486.6							
	OBS	01200	03.98	34.95	27.77		1486.6							
	STD	01300	03.95	34.97	27.79	00.724	1488.2							
	OBS	01300	03.95	34.97	27.79		1488.2							
	STD	01400	03.88	34.96	27.79	00.769	1489.6							
	OBS	01400	03.88	34.96	27.79		1489.6							
	STD	01500	03.85	34.96	27.79	00.814	1491.1							
	OBS	01500	03.85	34.96	27.79		1491.1							

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TABLE I. USCGC CHASE, February, 1977.— Continued

N O D C   S T A T I O N   D A T A

REFIO 31 8433	YEAR 1975	BOTCP 01701	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 29	INST STO RECORDER	TEN SO 1307
CONSEC 0307	MONTH 02	SHIP E1	WET BULB 04.5	28 3 5	WIND-SPD 20	TRACE DIR D	5 SQUARE 1
LAT 42 36 N	DAY 08	DATA USE 1	BAROMETR 1002.4	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 21.6W	HOUR 23.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG A4 03107	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	C0000	01.81	33.69	26.96	00.000	1455.6							
23.2	OBS	00000	01.81	33.69	26.96		1455.6							
	STO	00010	01.09	33.69	27.01	00.011	1452.6							
	OBS	00010	01.09	33.69	27.01		1452.6							
	STO	00020	00.97	33.74	27.06	00.021	1452.3							
	OBS	C0020	00.97	33.74	27.06		1452.3							
	STO	00030	00.76	33.74	27.07	00.031	1451.5							
	OBS	00030	00.76	33.74	27.07		1451.5							
	STO	00050	00.87	33.87	27.17	00.050	1452.5							
	OBS	00050	00.87	33.87	27.17		1452.5							
	OBS	00060	00.76	33.88	27.18		1452.2							
	STO	00075	00.91	33.94	27.22	00.072	1453.2							
	OBS	00075	00.91	33.94	27.22		1453.2							
	STO	00100	01.10	33.99	27.25	00.094	1454.5							
	OBS	00100	01.10	33.99	27.25		1454.5							
	STO	00125	01.38	34.04	27.27	00.114	1456.3							
	OBS	00125	01.38	34.04	27.27		1456.3							
	STO	00150	01.77	34.14	27.32	00.134	1458.5							
	OBS	C0150	01.77	34.14	27.32		1458.5							
	STO	03200	02.16	34.27	27.40	00.171	1461.3							
	OBS	00200	02.16	34.27	27.40		1461.3							
	STO	00250	02.31	34.42	27.50	00.203	1462.9							
	OBS	00250	02.31	34.42	27.50		1462.9							
	OBS	00275	03.53	34.67	27.59		1465.0							
	STO	00300	02.99	34.61	27.60	00.231	1467.0							
	OBS	00300	02.99	34.61	27.60		1467.0							
	STO	00400	03.33	34.75	27.68	00.280	1470.3							
	OBS	00400	03.33	34.75	27.68		1470.3							
	STO	C0500	03.37	34.83	27.74	00.324	1472.2							
	OBS	00500	03.37	34.83	27.74		1472.2							
	STO	00600	03.47	34.89	27.77	00.363	1474.4							
	OBS	00600	03.47	34.89	27.77		1474.4							
	STO	00700	03.49	34.91	27.79	00.402	1476.1							
	OBS	C0700	03.49	34.91	27.79		1476.1							
	STO	00800	03.50	34.91	27.79	00.440	1477.8							
	OBS	00800	03.50	34.91	27.79		1477.8							
	STO	00900	03.46	34.92	27.80	00.479	1479.4							
	OBS	00900	03.46	34.92	27.80		1479.4							
	STO	C1000	03.44	34.91	27.79	00.518	1480.9							
	OBS	01000	03.44	34.91	27.79		1480.9							
	STO	01100	03.44	34.91	27.79	00.558	1482.6							
	OBS	01100	03.44	34.91	27.79		1482.6							
	STO	01200	03.45	34.90	27.78	00.600	1484.3							
	OBS	C1200	03.45	34.90	27.78		1484.3							
	STO	01300	03.45	34.90	27.78	00.643	1486.0							
	OBS	01300	03.45	34.90	27.78		1486.0							
	STO	01400	03.47	34.90	27.78	00.686	1487.7							
	OBS	01400	03.47	34.90	27.78		1487.7							
	STO	C1500	03.47	34.90	27.78	00.731	1489.4							
	OBS	01500	03.47	34.90	27.78		1489.4							

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REFIC 31 8433	YEAR 1975	BOTOP 00402	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 29	INST STO RECORDER	TEN SO 1307
CONSEC 0008	MONTH 02	SHIP E1	WET BULB 01.2	29 5 7	WIND-SPD 20	TRACE DIR C	5 SQUARE 1
LAT 42 47.3N	DAY 09	DATA USE 1	BAROMETR 1006.1	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 20.6W	HOUR 01.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG A4 03108	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	- 0.18	33.23	26.71	00.000	1446.0							
01.4	OBS	00000	- 0.18	33.23	26.71		1446.0							
	STO	00010	- 0.29	33.30	26.77	00.013	1445.8							
	OBS	00010	- 0.29	33.30	26.77		1445.8							
	STO	00020	- 0.41	33.39	26.85	00.026	1445.5							
	OBS	00020	- 0.41	33.39	26.85		1445.5							
	STO	00030	- 0.46	33.44	26.89	00.038	1445.5							
	OBS	00030	- 0.46	33.44	26.89		1445.5							
	STO	00050	- 0.41	33.51	26.94	00.060	1446.2							
	OBS	03050	- 0.41	33.51	26.94		1446.2							
	STO	0C075	- 0.18	33.55	27.00	00.088	1447.7							
	OBS	03075	- 0.18	33.54	27.00		1447.7							
	STO	00100	- 0.05	33.63	27.03	00.114	1448.8							
	OBS	00100	- 0.05	33.63	27.03		1448.8							
	STO	00125	00.03	33.66	27.05	00.140	1449.6							
	OBS	00125	00.03	33.66	27.05		1449.6							
	STO	00150	00.16	33.75	27.11	00.165	1450.8							
	OBS	00150	00.16	33.75	27.11		1450.8							
	OBS	00157	00.61	33.90	27.20		1454.7							
	STO	00200	00.70	33.87	27.18	00.211	1454.2							
	OBS	C0200	00.70	33.87	27.18		1454.2							
	STO	00250	02.36	34.15	27.28	00.254	1462.8							
	OBS	00250	02.36	34.15	27.28		1462.8							
	STO	00300	02.18	34.27	27.39	00.292	1463.0							
	OBS	00300	02.18	34.27	27.39		1463.0							
	OBS	C0327	02.03	34.32	27.45		1462.5							
	OBS	00343	02.34	34.37	27.49		1464.6							
	OBS	00380	02.56	34.43	27.56		1466.3							

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TABLE I. USCGC CHASE, February, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIO 31 8433   YEAR 1975   BOTOP 00091   AIR TEMP 01.5   DIR HGT PER   WIND-DIR 36   INST STD RECORDER   TEN SQ 1307
CONSEC   0009   MONTH 02   SHIP E1   WET BULB 01.0   28 4   5   WIND-SPD 35   TRACE DIR   G   5 SQUARE 1
LAT   43 00 N   DAY   09   DATA USE 1   BAROMETR 1007.5   SEA   WIND-FOR   DURATION   2 SQUARE 20
LONG 050 22 W   HOUR 03.4   AREA   05   CLOUD T/A   CL/TR   WEATHER A1   ORIG A4 03109   1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	01.92	32.46	25.97	00.000	1454.4							
03.4	OBS	00000	01.92	32.46	25.97		1454.4							
	STD	00010	01.85	32.47	25.98	00.020	1454.3							
	OBS	00010	01.85	32.47	25.98		1454.3							
	STD	00020	00.62	32.85	26.36	00.035	1449.5							
	OBS	C0020	00.62	32.85	26.36		1449.5							
	STD	00030	00.52	32.86	26.38	00.056	1449.2							
	OBS	00030	00.52	32.86	26.38		1449.2							
	STD	00050	00.48	32.92	26.43	00.086	1449.4							
	OBS	00050	00.48	32.52	26.43		1449.4							
	OBS	00055	00.54	33.06	26.54		1450.0							
	OBS	00063	00.31	33.28	26.73		1449.4							
	STD	00075	00.94	33.60	26.95	00.122	1452.9							
	OBS	00075	00.94	33.60	26.95		1452.9							
	OBS	00080	00.95	33.60	26.95		1453.0							

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REFIO 31 8433   YEAR 1975   BOTOP 00078   AIR TEMP 01.5   DIR HGT PER   WIND-DIR 08   INST STD RECORDER   TEN SQ 1307
CONSEC   0010   MONTH 02   SHIP E1   WET BULB 01.0   28 4   5   WIND-SPD 35   TRACE DIR   D   5 SQUARE 1
LAT   43 10 N   DAY   09   DATA USE 1   BAROMETR 1008.0   SEA   WIND-FOR   DURATION   2 SQUARE 20
LONG 050 12.0W   HOUR 04.5   AREA   05   CLOUD T/A   CL/TR   WEATHER X2   ORIG A4 03110   1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	02.99	32.38	25.82	00.000	1459.0							
04.5	OBS	00000	02.99	32.38	25.82		1459.0							
	STD	00010	02.96	32.40	25.84	00.022	1459.1							
	OBS	00010	02.96	32.40	25.84		1459.1							
	STD	00020	02.64	32.39	25.86	00.043	1457.8							
	OBS	00020	02.64	32.39	25.86		1457.8							
	STD	00030	00.87	32.58	26.13	00.064	1450.4							
	OBS	00030	00.87	32.58	26.13		1450.4							
	OBS	00040	- 0.13	32.87	26.42		1446.4							
	STD	00050	- 0.28	33.03	26.55	00.097	1446.1							
	OBS	00050	- 0.28	33.03	26.55		1446.1							
	OBS	00065	- 0.28	33.01	26.54		1446.3							

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REFIO 31 8434   YEAR 1975   BOTOP 00055   AIR TEMP -00.2   DIR HGT PER   WIND-DIR 25   INST STD RECORDER   TEN SQ 1306
CONSEC   0001   MONTH 02   SHIP E1   WET BULB -01.2   TS 1   X   WIND-SPD 32   TRACE DIR   C   5 SQUARE 2
LAT   44 40 N   DAY   09   DATA USE 1   BAROMETR 1009.8   SEA   WIND-FOR   DURATION   2 SQUARE 48
LONG 049 25 W   HOUR 13.3   AREA   05   CLOUD T/A   CL/TR   WEATHER X1   ORIG A3 06301   1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.17	33.11	26.65	00.000	1441.2							
13.3	OBS	00000	- 1.17	33.11	26.65		1441.2							
	STD	00010	- 1.17	33.11	26.65	00.014	1441.4							
	OBS	C0010	- 1.17	33.11	26.65		1441.4							
	STD	00020	- 1.17	33.12	26.66	00.028	1441.6							
	OBS	00020	- 1.17	33.12	26.66		1441.6							
	STD	00050	- 1.17	33.13	26.67	00.042	1441.8							
	OBS	00030	- 1.17	33.13	26.67		1441.8							
	OBS	00040	- 1.17	33.13	26.67		1441.9							

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TABLE I.   USCGC CHASE, February, 1977.— Continued

N O O C   S T A T I O N   D A T A

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AEFIO  31  8434    YEAR 1973    BOTOP 00201   AIR TEMP  -00.2   OIR HGT PER    WIND-OIR 29    INST STO RECORDER    TEN SQ 1306
CONSEC     0002    MONTH  02    SHIP EI       WET BULB  -01.2   79  1   A      WIND-SPD 32    TRACE OIR        C   S SQUARE  2
LAT    44 36 N     DAY    09    DATA USE  1   BAROMETR 1009.6   SEA            WIND-FOR       DURATION             2 SQUARE 48
LONG  045 00  W    HOUR 14.7    AREA    05    CLOUO T/A         CL/TR          WEATHER  A1    ORIG  A3 06302      1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OAYC	PO4	TOT P	NO2	NO3	S1O3	PH
	STO	00300	- 1.16	33.20	26.72	C0.000	1441.4							
14.7	OBS	00000	- 1.16	33.20	26.72		1441.4							
	STO	00010	- 1.16	33.21	26.73	00.013	1441.6							
	OBS	00010	- 1.16	33.21	26.73		1441.6							
	STO	00020	- 1.16	33.22	26.74	00.026	1441.8							
	OBS	00020	- 1.16	33.22	26.74		1441.8							
	STO	00030	- 1.16	33.22	26.74	00.040	1441.9							
	OBS	00030	- 1.16	33.22	26.74		1441.9							
	STO	00050	- 1.16	33.22	26.74	00.066	1442.3							
	OBS	00050	- 1.16	33.22	26.74		1442.3							
	STO	00075	- 0.95	33.39	26.87	00.097	1443.5							
	OBS	00075	- 0.95	33.39	26.87		1443.5							
	STO	00100	- 0.63	33.60	27.03	00.125	1446.1							
	OBS	00100	- 0.63	33.60	27.03		1446.1							
	STO	00125	- 0.29	33.75	27.13	00.150	1448.3							
	OBS	00125	- 0.29	33.75	27.13		1448.3							
	STO	00150	- 0.11	33.83	27.19	00.172	1449.6							
	OBS	00150	- 0.11	33.83	27.19		1449.6							
	OBS	00170	- 0.12	33.92	27.26		1450.0							

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FEFIC  31  8434    YEAR 1975    BOTOP 01682   AIR TEMP  02.0    OIR HGT PER    WIND-OIR 28    INST STO RECORDER    TEN SQ 1306
CONSEC     0033    MONTH  02    SHIP EI       WET BULB  -01.0                  WIND-SPD 30    TRACE OIR        0   S SQUARE  2
LAT    44 28.3N    OAY    09    DATA USE  1   BARCMETR 1015.9   SEA            WIND-FOR       DURATION             2 SQUARE 48
LONG  048 46.6N    HOUR 20.5    AREA    05    CLOUO T/A         CL/TR          WEATHER  AO    ORIG  A3 06303      1 SQUARE 48
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	S1O3	PH
	STO	00000	00.11	33.73	27.10	00.000	1448.0							
20.5	OBS	00000	00.11	33.73	27.10		1448.0							
	STO	00010	00.11	33.74	27.11	00.010	1448.2							
	OBS	00010	00.11	33.74	27.11		1448.2							
	STO	00020	00.11	33.74	27.11	00.019	1448.4							
	OBS	00020	00.11	33.74	27.11		1448.4							
	STO	00030	00.16	33.74	27.10	00.029	1448.8							
	OBS	00030	00.16	33.74	27.10		1448.8							
	STO	00050	00.18	33.74	27.10	00.048	1449.2							
	OBS	00050	00.18	33.74	27.10		1449.2							
	STO	00075	00.19	33.79	27.14	00.072	1449.7							
	OBS	00075	00.19	33.79	27.14		1449.7							
	OBS	00090	00.93	33.97	27.24		1453.6							
	STO	00100	00.77	34.04	27.31	00.094	1453.1							
	OBS	00100	00.77	34.04	27.31		1453.1							
	STO	00125	00.87	34.06	27.32	00.113	1454.0							
	OBS	00125	00.87	34.06	27.32		1454.0							
	STO	00150	01.22	34.14	27.36	00.131	1456.1							
	OBS	00150	01.22	34.14	27.36		1456.1							
	OBS	00190	01.43	34.28	27.46		1457.9							
	STO	00200	01.73	34.33	27.48	00.165	1459.4							
	OBS	00200	01.73	34.33	27.48		1459.4							
	STO	00250	02.35	34.53	27.59	00.194	1463.4							
	OBS	00250	02.35	34.53	27.59		1463.4							
	STO	00300	02.82	34.61	27.61	00.220	1466.2							
	OBS	00300	02.82	34.61	27.61		1466.2							
	OBS	00340	03.00	34.68	27.65		1467.8							
	STO	00400	03.03	34.70	27.66	00.268	1468.9							
	OBS	00400	03.03	34.70	27.66		1468.9							
	STO	00500	03.46	34.84	27.74	00.312	1472.6							
	OBS	00500	03.46	34.84	27.74		1472.6							
	OBS	00530	03.51	34.85	27.74		1473.3							
	STO	00600	03.50	34.92	27.80	00.351	1474.5							
	OBS	00600	03.50	34.92	27.80		1474.5							
	STO	00700	03.47	34.90	27.78	00.389	1476.0							
	OBS	00700	03.47	34.90	27.78		1476.0							
	STO	00800	03.43	34.90	27.79	00.427	1477.5							
	OBS	00800	03.43	34.90	27.79		1477.5							
	STO	00900	03.42	34.89	27.78	00.467	1479.1							
	OBS	00900	03.42	34.89	27.78		1479.1							
	STO	01000	03.42	34.88	27.77	00.508	1480.8							
	OBS	01000	03.42	34.88	27.77		1480.8							

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Table I.   USCGC CHASE, February, 1977.— Continued

N O D C   S T A T I O N   D A T A

REFIO 31 8434	YEAR 1975	BOTOP 01829	AIR TEMP 01.5	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC 0004	MONTH 02	SHIP E1	WET BULB -00.2	25 1 5	WIND-SPD 10	TRACE DIR	S SQUARE 2
LAT 44 29 N	DAY 10	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 32 W	HOUR 04.5	AREA 05	CLOUD T/A	CL/TR	WEATHER	ORIG A3 06304	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYO	PO4	TOT-P	NO2	NO3	SIO3	PH
	STO	C0000	00.92	33.95	27.23	00.000	1452.0							
04.5	OBS	00000	00.92	33.946	27.23		1452.0							
	STO	00010	00.95	33.96	27.23	00.009	1452.3							
	STO	00020	00.96	33.96	27.24	00.017	1452.6							
04.5	OBS	00022	00.98	33.965	27.24		1452.7							
	STO	00030	00.98	33.96	27.24	00.025	1452.8							
04.5	OBS	00045	00.98	33.965	27.24		1453.0							
	STO	00050	00.98	33.96	27.24	00.042	1453.1							
04.5	OBS	00068	00.97	33.965	27.24		1453.4							
	STO	00075	00.97	33.97	27.24	00.063	1453.5							
04.5	OBS	00090	00.97	33.989	27.26		1453.8							
	STO	00100	01.00	34.02	27.28	00.084	1454.1							
	STO	00125	01.13	34.10	27.34	00.103	1455.2							
04.5	OBS	00136	01.21	34.137	27.36		1455.8							
	STO	00150	01.36	34.17	27.38	00.121	1456.8							
04.5	OBS	T00185	01.76	34.268	27.43		1459.2							
	STO	00200	02.03	34.34	27.46	00.155	1460.8							
	STO	C0250	02.74	34.54	27.56	00.185	1465.0							
04.5	OBS	00273	02.98	34.602	27.59		1466.5							
	STO	00300	03.14	34.65	27.61	00.212	1467.7							
04.5	OBS	T00355	03.38	34.723	27.65		1469.8							
	STO	00400	03.41	34.76	27.67	00.260	1470.6							
04.5	OBS	00447	03.45	34.786	27.69		1471.6							
	STO	00500	03.45	34.81	27.71	00.305	1472.7							
04.5	OBS	00532	03.50	34.821	27.72		1473.3							
	STO	00600	03.50	34.83	27.72	00.349	1474.4							
	STO	00700	03.49	34.84	27.73	00.392	1476.0							
04.5	OBS	T00701	03.49	34.836	27.73		1476.1							
	STO	00800	03.39	34.84	27.74	00.435	1477.3							
04.5	OBS	T00677	03.34	34.841	27.75		1478.4							
04.5	OBS	T01322	03.37	34.855	27.76		1486.0							

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TABLE I. USCGC CHASE, February, 1977.—Continued

NOOC STATION DATA

REFID 31 8434	YEAR 1975	BOTOP 02928	AIR TEMP 02.5	DIR FCT PER	WIND-DIR 18	INST STO RECORDER	TEN SQ 1306
CONSEC 0005	MONTH 02	SHIP E1	WET BULB 01.0	25 1 5	WIND-SPD 08	TRACE DIR 0	5 SQUARE 2
LAT 44 29.0N	DAY 10	DATA USE 1	BARCMETR 1014.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 26.7W	HOUR 06.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A3 06305	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	AO2	NO3	SIO3	PH
	STO	00000	00.53	33.84	27.16	00.000	1450.1							
06.3	OBS	00000	00.53	33.84	27.16		1450.1							
	STO	00010	01.01	33.87	27.16	00.009	1452.5							
	OBS	00010	01.01	33.87	27.16		1452.5							
	STO	00020	01.03	33.87	27.16	00.018	1452.7							
	OBS	00020	01.03	33.87	27.16		1452.7							
	STO	00030	01.03	33.87	27.16	00.028	1452.9							
	OBS	00030	01.03	33.87	27.16		1452.9							
	STO	00050	01.05	33.88	27.16	00.046	1453.3							
	OBS	00050	01.05	33.86	27.16		1453.3							
	STO	00075	00.95	33.91	27.19	00.068	1453.3							
	OBS	00075	00.95	33.91	27.19		1453.3							
	STO	00100	01.46	34.04	27.26	00.090	1456.2							
	OBS	00100	01.46	34.04	27.26		1456.2							
	STO	00125	01.93	34.21	27.37	00.109	1458.9							
	OBS	00125	01.93	34.21	27.37		1458.9							
	STO	00150	02.21	34.30	27.42	00.126	1460.7							
	OBS	00150	02.21	34.30	27.42		1460.7							
	STO	00200	02.58	34.44	27.50	00.159	1463.3							
	OBS	00200	02.58	34.44	27.50		1463.3							
	STO	00250	03.00	34.56	27.56	00.188	1466.1							
	OBS	00250	03.00	34.56	27.56		1466.1							
	STO	00300	04.63	34.88	27.64	00.214	1474.3							
	OBS	00300	04.63	34.88	27.64		1474.3							
	STO	00400	04.45	34.88	27.66	00.262	1475.2							
	OBS	00400	04.45	34.88	27.66		1475.2							
	OBS	00480	04.38	34.89	27.68		1476.2							
	STO	00500	04.09	34.85	27.68	00.310	1475.3							
	OBS	00500	04.09	34.85	27.68		1475.3							
	OBS	00550	03.75	34.83	27.70		1475.3							
	STO	00600	03.84	34.85	27.71	00.357	1475.9							
	OBS	00600	03.84	34.85	27.71		1475.9							
	OBS	00646	03.90	34.86	27.71		1476.9							
	OBS	00685	03.66	34.84	27.72		1476.5							
	STO	00700	03.75	34.84	27.71	00.402	1477.1							
	OBS	00700	03.75	34.84	27.71		1477.1							
	STO	00800	03.69	34.84	27.71	00.449	1478.6							
	OBS	00800	03.69	34.84	27.71		1478.6							
	OBS	00820	03.76	34.85	27.71		1479.2							
	OBS	00850	03.58	34.83	27.72		1478.9							
	OBS	00860	03.86	34.89	27.73		1480.3							
	STO	00930	03.85	34.88	27.72	00.495	1481.1							
	OBS	00900	03.69	34.88	27.72		1481.1							
	STO	01000	03.72	34.85	27.72	00.542	1482.0							
	OBS	01000	03.72	34.85	27.72		1482.0							
	OBS	01020	03.70	34.86	27.73		1482.3							
	OBS	01050	03.85	34.88	27.73		1483.5							
	STO	01100	03.78	34.87	27.73	00.590	1484.0							
	OBS	01100	03.78	34.87	27.73		1484.0							
	STO	01200	03.76	34.88	27.74	00.637	1485.6							
	OBS	01200	03.76	34.88	27.74		1485.6							
	STO	01300	03.78	34.89	27.74	00.685	1487.4							
	OBS	01300	03.78	34.89	27.74		1487.4							
	STO	01400	03.77	34.90	27.75	00.733	1489.0							
	OBS	01400	03.77	34.90	27.75		1489.0							
	STO	01500	03.70	34.89	27.75	00.781	1490.4							
	OBS	01500	03.70	34.89	27.75		1490.4							

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Table I. USCGC CHASE, February, 1977. Continued

N O D C   S T A T I O N   D A T A

REFID 31 843w	YEAR 1975	BOTOP 03383	AIR TEMP 05.2	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SO 1306
CONSEC 0006	MONTH 02	SHIP 61	WET BULB 06.2	15 3 5	WIND-SPD 20	TRACE DIR G	5 SQUARE 2
LAT 44 28.CN	DAY 10	DATA USE 1	BAROMETR 1008.5	SEA	WIND-FOP	DURATION	2 SQUARE 48
LONG 048 05.5W	HOUR 08.8	AREA 05	CLOUD 7/A	CL/TR	WEATHER X5	ORIG A3 06306	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.69	34.78	27.02	00.000	1485.3							
08.8	OBS	00000	08.69	34.78	27.02		1485.3							
	STD	00010	08.66	34.78	27.02	00.011	1485.3							
	OBS	00010	08.66	34.78	27.02		1485.3							
	STD	00020	08.72	34.79	27.02	00.021	1485.7							
	OBS	00020	08.72	34.79	27.02		1485.7							
	STD	00030	08.73	34.80	27.02	00.032	1485.9							
	OBS	00030	08.73	34.80	27.02		1485.9							
	STD	00050	08.77	34.81	27.03	00.053	1486.4							
	OBS	00050	08.77	34.81	27.03		1486.4							
	STD	00075	08.77	34.81	27.03	00.079	1486.8							
	OBS	00075	08.77	34.81	27.03		1486.8							
	STD	00100	08.84	34.82	27.02	00.105	1487.5							
	OBS	00100	08.84	34.82	27.02		1487.5							
	STD	00125	09.03	34.89	27.05	00.132	1488.7							
	OBS	00125	09.03	34.89	27.05		1488.7							
	OBS	00145	10.34	35.24	27.10		1494.3							
	STD	00150	09.98	35.16	27.10	00.158	1493.0							
	OBS	00150	09.98	35.16	27.10		1493.0							
	STD	00200	08.69	35.01	27.20	00.206	1488.8							
	OBS	00200	08.69	35.01	27.20		1488.8							
	OBS	00230	06.94	34.80	27.29		1482.3							
	STD	00250	06.46	34.76	27.32	00.249	1480.7							
	OBS	00250	06.46	34.76	27.32		1480.7							
	OBS	00260	06.36	34.75	27.33		1480.5							
	OBS	00280	07.03	34.84	27.31		1483.6							
	STD	00300	05.73	34.80	27.45	00.286	1478.7							
	OBS	00300	05.73	34.80	27.45		1478.7							
	OBS	00320	05.65	34.76	27.43		1478.6							
	OBS	00340	05.99	34.90	27.50		1480.5							
	OBS	00375	05.84	34.89	27.51		1480.5							
	STD	00400	06.01	34.96	27.54	00.350	1481.6							
	OBS	00400	06.01	34.96	27.54		1481.6							
	OBS	00430	05.59	34.95	27.59		1480.4							
	OBS	00460	05.55	34.94	27.58		1480.8							
	STD	00500	04.99	34.91	27.63	00.408	1479.1							
	OBS	00500	04.99	34.91	27.63		1479.1							
	OBS	00530	04.99	34.93	27.64		1479.6							
	OBS	00570	04.56	34.89	27.66		1478.4							
	STD	00600	04.65	34.92	27.67	00.459	1479.4							
	OBS	00600	04.65	34.92	27.67		1479.4							
	OBS	00620	04.73	34.95	27.69		1480.1							
	OBS	00650	04.64	34.94	27.69		1480.2							
	STD	00700	04.57	34.94	27.70	00.508	1480.7							
	OBS	00700	04.57	34.94	27.70		1480.7							
	OBS	00720	04.47	34.93	27.70		1480.6							
	OBS	00770	04.67	34.97	27.71		1482.3							
	STD	00800	04.53	34.96	27.72	00.555	1482.2							
	OBS	00800	04.53	34.96	27.72		1482.2							
	OBS	00838	04.52	34.96	27.72		1482.8							
	OBS	00845	04.40	34.95	27.72		1482.4							
	OBS	00862	04.45	34.96	27.73		1482.9							
	OBS	00870	04.32	34.94	27.73		1482.5							
	OBS	00875	04.47	34.96	27.73		1483.2							
	STD	00900	04.47	34.96	27.73	00.603	1483.6							
	OBS	00900	04.47	34.96	27.73		1483.6							
	STD	01000	04.36	34.96	27.74	00.651	1484.9							
	OBS	01000	04.36	34.96	27.74		1484.9							
	STD	01100	04.21	34.94	27.74	00.698	1485.9							
	OBS	01100	04.21	34.94	27.74		1485.9							
	OBS	01150	04.01	34.91	27.74		1485.8							
	OBS	01170	04.08	34.93	27.74		1486.5							
	STD	01200	03.98	34.92	27.75	00.746	1486.6							
	OBS	01200	03.98	34.92	27.75		1486.6							
	STD	01300	03.82	34.90	27.75	00.793	1487.5							
	OBS	01300	03.82	34.90	27.75		1487.5							
	STD	01400	03.74	34.89	27.75	00.841	1488.9							
	OBS	01400	03.74	34.89	27.75		1488.9							
	STD	01500	03.78	34.91	27.76	00.890	1490.7							
	OBS	01500	03.78	34.91	27.76		1490.7							

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Table I. USCGC CHASE, February, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8434	YEAR 1975	BOTOP 03603	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 16	INST STD RECORDER	TEN SQ 1308
CONSEC 0007	MONTH 02	SHIP E1	WET BULB 10.8	18 3 3	WIND-SPD 35	TRACE DIR 0	5 SQUARE 2
LAT 44 21 N	DAY 10	DATA USE 1	BARCMETR 1001.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 48 W	HOUR 13.0	AREA 05	CLOUD T/A	CL/TA	WEATHER X4	ORIG A3 06307	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.31	35.38	27.03	00.000	1455.6							
13.0	OBS	00000	11.31	35.38	27.03		1455.6							
	STD	00010	11.31	35.38	27.03	00.010	1455.7							
	OBS	00010	11.31	35.38	27.03		1455.7							
	STD	00020	11.32	35.38	27.03	00.021	1495.9							
	OBS	00020	11.32	35.38	27.03		1495.9							
	STD	00030	11.32	35.38	27.03	00.031	1456.1							
	OBS	00030	11.32	35.38	27.03		1496.1							
	STD	00050	11.32	35.38	27.03	00.052	1456.4							
	OBS	00050	11.32	35.38	27.03		1456.4							
	STD	00075	11.32	35.38	27.03	00.079	1456.8							
	OBS	00075	11.32	35.38	27.03		1456.8							
	STD	00100	11.33	35.38	27.03	00.105	1457.3							
	OBS	00100	11.33	35.38	27.03		1497.3							
	STD	00125	11.33	35.38	27.03	00.132	1457.7							
	OBS	00125	11.33	35.36	27.03		1457.7							
	STD	00150	11.33	35.36	27.03	00.159	1458.1							
	OBS	00150	11.35	35.36	27.03		1458.1							
	STD	00200	11.34	35.38	27.03	00.213	1498.9							
	OBS	00200	11.34	35.36	27.03		1498.9							
	STD	00250	11.34	35.37	27.02	00.268	1459.7							
	OBS	00250	11.34	35.37	27.02		1459.7							
	OBS	00280	11.34	35.37	27.02		1500.2							
	STD	00300	10.74	35.30	27.07	00.322	1458.4							
	OBS	00300	10.74	35.30	27.07		1458.4							
	STD	00400	08.17	35.04	27.30	00.418	1450.2							
	OBS	00400	08.17	35.04	27.30		1450.2							
	STD	00500	07.01	34.99	27.43	00.496	1487.3							
	OBS	00500	07.01	34.99	27.43		1487.3							
	STD	00600	06.22	34.98	27.53	00.568	1485.8							
	OBS	00600	06.22	34.98	27.53		1485.8							
	OBS	00665	05.66	34.94	27.57		1484.6							
	STD	00700	05.66	34.97	27.59	00.631	1485.2							
	OBS	00700	05.66	34.97	27.59		1485.2							
	OBS	00720	05.68	34.96	27.60		1485.6							
	OBS	00765	04.94	34.91	27.63		1483.3							
	OBS	00790	05.05	34.92	27.63		1484.2							
	STD	00800	05.00	34.95	27.66	00.687	1484.2							
	OBS	00800	05.00	34.95	27.66		1484.2							
	OBS	00850	04.68	34.94	27.69		1483.7							
	STD	00900	04.56	34.93	27.69	00.740	1484.0							
	OBS	00900	04.56	34.93	27.69		1484.0							
	OBS	00935	04.58	34.94	27.70		1484.7							
	OBS	00950	04.37	34.92	27.70		1484.0							
	OBS	00967	04.36	34.92	27.71		1484.3							
	OBS	00970	04.27	34.91	27.71		1483.9							
	STD	01000	04.28	34.91	27.71	00.790	1484.4							
	OBS	01000	04.28	34.91	27.71		1484.4							
	STD	01100	04.14	34.90	27.71	00.840	1485.5							
	OBS	01100	04.14	34.90	27.71		1485.5							
	OBS	01160	04.19	34.92	27.72		1486.8							
	STD	01200	04.29	34.95	27.74	00.890	1487.9							
	OBS	01200	04.29	34.95	27.74		1487.9							
	OBS	01240	04.19	34.94	27.74		1488.1							
	OBS	01270	04.25	34.95	27.74		1488.9							
	STD	01300	04.23	34.95	27.74	00.939	1489.3							
	OBS	01300	04.23	34.95	27.74		1489.3							
	STD	01400	04.06	34.93	27.75	00.988	1490.3							
	OBS	01400	04.06	34.93	27.75		1490.3							
	STD	01500	04.01	34.93	27.75	01.038	1491.7							
	OBS	01500	04.01	34.93	27.75		1491.7							

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TABLE I. USCGC CHASE, February, 1977.— Continued

N O O C   S T A T I O N   D A T A

REFID 31 8434	YEAR 1975	BOTOP 03840	AIR TEMP 11.0	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEM SO 1306
CONSEC 0008	MONTH 02	SHIP E1	WET BULB 10.9	69 2 4	WIND-SPD 40	TRACE DIR 0	5 SQUARE 2
LAT 44 20 N	DAY 10	DATA USE 1	BAROMETR 0993.6	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 34 W	HOUR 16.0	AREA 05	CLOUD T/A	CL/TA	WEATHER A2	ORIG A3 06308	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.49	35.37	26.99	00.000	1496.2							
16.0	OBS	00000	11.49	35.37	26.99		1496.2							
	STD	00010	11.49	35.37	26.99	00.011	1496.3							
	OBS	00010	11.49	35.37	26.99		1496.3							
	STD	00020	11.49	35.37	26.99	00.022	1496.5							
	OBS	00020	11.49	35.37	26.99		1496.5							
	STD	00030	11.49	35.37	26.99	00.032	1496.7							
	OBS	00030	11.49	35.37	26.99		1496.7							
	STD	00050	11.49	35.37	26.99	00.054	1457.0							
	OBS	00050	11.49	35.37	26.99		1457.0							
	STD	00075	11.51	35.38	27.00	00.081	1457.5							
	OBS	00075	11.51	35.38	27.00		1497.5							
	STD	00100	11.50	35.38	27.00	00.109	1457.9							
	OBS	00100	11.50	35.38	27.00		1457.9							
	STD	00125	11.50	35.38	27.00	00.136	1458.3							
	OBS	00125	11.50	35.38	27.00		1458.3							
	STD	00150	11.51	35.39	27.00	00.164	1458.7							
	OBS	00150	11.51	35.39	27.00		1458.7							
	STD	00200	11.52	35.39	27.00	00.219	1459.6							
	OBS	00200	11.52	35.39	27.00		1459.6							
	OBS	00210	11.55	35.41	27.01		1459.5							
	STD	00250	11.54	35.41	27.01	00.275	1500.5							
	OBS	00250	11.54	35.41	27.01		1500.5							
	OBS	00270	11.44	35.39	27.02		1500.4							
	OBS	00280	11.08	35.34	27.04		1499.3							
	STD	00300	10.43	35.31	27.14	00.328	1457.3							
	OBS	00300	10.43	35.31	27.14		1497.3							
	OBS	00320	10.38	35.29	27.13		1497.4							
	STD	00400	08.83	35.10	27.24	00.424	1492.8							
	OBS	00400	08.83	35.10	27.24		1492.8							
	OBS	00420	08.26	35.07	27.31		1490.9							
	OBS	00460	07.96	35.07	27.35		1490.4							
	STD	00500	07.35	35.05	27.43	00.507	1488.7							
	OBS	00500	07.35	35.05	27.43		1488.7							
	OBS	00520	07.04	35.04	27.47		1487.8							
	OBS	00560	06.86	35.05	27.50		1487.8							
	STD	00600	06.07	35.01	27.57	00.575	1485.3							
	OBS	00600	06.07	35.01	27.57		1485.3							
	OBS	00622	05.92	34.98	27.57		1485.0							
	OBS	00665	05.56	35.05	27.62		1485.9							
	STD	00700	05.19	34.96	27.64	00.633	1483.3							
	OBS	00700	05.19	34.96	27.64		1483.3							
	OBS	00730	04.95	34.94	27.65		1482.8							
	OBS	00760	05.47	35.02	27.66		1485.5							
	OBS	00780	04.78	34.97	27.70		1482.9							
	STD	00800	04.74	34.97	27.70	00.664	1483.1							
	OBS	00800	04.74	34.97	27.70		1483.1							
	OBS	00830	04.80	35.00	27.72		1483.9							
	STD	00900	04.69	35.01	27.74	00.732	1484.6							
	OBS	00900	04.69	35.01	27.74		1484.6							
	OBS	00945	04.85	35.06	27.76		1486.1							
	STD	01000	04.69	35.05	27.77	00.778	1486.3							
	OBS	01000	04.69	35.05	27.77		1486.3							

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TABLE I. USCGC CHASE, February, 1977.— Continued

MODC STATION DATA

REF IO 31 8434	YEAR 1975	BOTOP 04023	AIR TEMP 10.2	OIR HGT PER	WIND-DIR 17	INST STO RECORDER	TEN SG 130A
CONSEC 0005	MONTH 02	SHIP E1	WET BULB 09.3	21 9 5	WIND-SPD 25	TRACE DIR 0	S SQUARE 2
LAT 44 13 N	DAY 10	DATA USE 1	BARCMETR 0990.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 11 W	HOUR 19.6	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	OR TG A3 06309	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OAYG	PO4	TGT P	NO2	NO3	SIO3	PM
	STO	C0000	10.46	35.17	27.02	00.000	1492.3						
19.6	OBS	00000	10.48	35.17	27.02		1492.3						
	STO	00010	10.48	35.19	27.04	00.010	1492.5						
	OBS	00010	10.48	35.19	27.04		1492.5						
	STO	00020	10.49	35.19	27.03	00.021	1492.7						
	OBS	00020	10.49	35.19	27.03		1492.7						
	STO	00030	10.50	35.19	27.03	00.031	1492.9						
	OBS	00030	10.50	35.19	27.03		1492.9						
	STO	00050	10.51	35.19	27.03	00.052	1493.3						
	OBS	00050	10.51	35.19	27.03		1493.3						
	STO	00075	10.49	35.19	27.03	00.078	1493.6						
	OB	00075	10.49	35.19	27.03		1493.6						
	STO	00100	10.50	35.19	27.03	00.105	1494.1						
	OBS	00100	10.50	35.19	27.03		1494.1						
	STO	00125	10.44	35.17	27.03	00.131	1494.2						
	OBS	00125	10.44	35.17	27.03		1494.2						
	STO	00150	10.46	35.19	27.04	00.158	1494.8						
	OBS	00150	10.46	35.19	27.04		1494.8						
	STO	00200	10.53	35.22	27.05	00.211	1495.9						
	OBS	00200	10.53	35.22	27.05		1495.9						
	OBS	00225	10.35	35.26	27.11		1495.7						
	STO	00250	09.81	35.20	27.16	00.262	1494.1						
	OBS	00250	09.81	35.20	27.16		1494.1						
	STO	00300	08.65	35.07	27.25	00.309	1490.4						
	OBS	00300	08.65	35.07	27.25		1490.4						
	OBS	00355	06.96	34.84	27.32		1484.5						
	OBS	00365	07.17	34.90	27.34		1485.6						
	OBS	00385	05.13	34.65	27.40		1477.4						
	STO	00400	05.61	34.73	27.41	00.390	1479.7						
	OBS	00400	05.61	34.73	27.41		1479.7						
	OBS	00410	04.89	34.66	27.44		1476.9						
	OBS	00430	05.15	34.73	27.47		1478.5						
	OBS	00450	05.75	34.87	27.50		1481.3						
	STO	00500	04.41	34.76	27.57	00.455	1476.5						
	OBS	00500	04.41	34.76	27.57		1476.5						
	OBS	00510	04.97	34.88	27.60		1479.1						
	OBS	00560	04.71	34.85	27.61		1478.8						
	OBS	00570	05.15	34.95	27.64		1481.0						
	STO	00600	04.98	34.95	27.66	00.510	1480.8						
	OBS	00600	04.98	34.95	27.66		1480.8						
	STO	C0700	04.90	34.96	27.68	00.561	1482.1						
	OBS	00700	04.90	34.96	27.68		1482.1						
	OBS	00750	04.73	34.96	27.70		1482.2						
	OBS	C0780	04.90	35.00	27.71		1483.5						
	STO	00800	04.86	34.99	27.70	00.611	1483.6						
	OBS	00800	04.86	34.99	27.70		1483.6						
	OBS	00840	04.77	34.99	27.72		1483.9						
	OBS	00860	04.53	34.96	27.72		1483.2						
	STO	00900	04.48	34.94	27.71	00.660	1483.7						
	OBS	00900	04.48	34.94	27.71		1483.7						
	STO	01000	04.12	34.90	27.72	00.709	1483.8						
	OBS	01000	04.12	34.90	27.72		1483.8						
	STO	01100	04.01	34.90	27.73	00.758	1485.0						
	OBS	01100	04.01	34.90	27.73		1485.0						
	STO	01200	03.98	34.91	27.74	00.806	1486.5						
	OBS	01200	03.98	34.91	27.74		1486.5						
	OBS	01220	03.95	34.90	27.73		1486.7						
	OBS	01230	03.85	34.89	27.74		1486.5						
	STO	01300	03.84	34.89	27.74	00.854	1487.6						
	OBS	01300	03.84	34.89	27.74		1487.6						
	OBS	01320	03.90	34.90	27.74		1488.2						
	OBS	01390	03.80	34.89	27.74		1489.0						
	STO	01400	03.84	34.90	27.74	00.903	1489.3						
	OBS	C1400	03.84	34.90	27.74		1489.3						
	OBS	01410	03.89	34.91	27.75		1489.7						
	STO	01500	03.77	34.90	27.75	00.952	1490.7						
	OBS	01500	03.77	34.90	27.75		1490.7						

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TABLE I. USCGC CHASE, February, 1977.— Continued

NODC STATION DATA

RSFIO 31 8434	YEAR 1975	BDTOP 04206	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 25	INST STO RECORDER	TEN SQ 130t
CONSEC 0010	MONTH 02	SHIP E1	WET BULB 01.5	31 2 5	WIND-SPD 40	TRACE DIR 0	5 SQUARE 2
LAT 44 07 N	DAY 10	DATA USE 1	BAROMETR 0998.6	SEA	WIND-FOR	DURATION	2 SQUARE 4t
LONG 046 30.5W	HOUR 23.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	DRIG A3 06310	1 SQUARE 4t

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.72	33.49	26.73	00.000	1459.3							
23.4	OBS	00000	02.72	33.49	26.73		1459.3							
	STD	00010	02.73	33.49	26.73	00.013	1459.6							
	OBS	00010	02.73	33.49	26.73		1459.6							
	STD	00020	02.74	33.49	26.73	00.027	1459.8							
	OBS	00020	02.74	33.49	26.73		1459.8							
	STD	00030	02.75	33.49	26.73	00.040	1460.0							
	OBS	00030	02.75	33.49	26.73		1460.0							
	STD	00050	02.76	33.50	26.73	00.066	1460.4							
	OBS	00050	02.76	33.50	26.73		1460.4							
	STD	00075	06.18	34.34	27.03	00.096	1476.2							
	OBS	00075	06.18	34.34	27.03		1476.2							
	OBS	00085	05.95	34.39	27.10		1475.5							
	OBS	00090	06.13	34.47	27.14		1476.4							
	STD	00100	06.13	34.49	27.15	00.121	1476.6							
	OBS	00100	06.13	34.49	27.15		1476.6							
	STD	00125	06.63	34.58	27.16	00.144	1479.1							
	OBS	00125	06.63	34.58	27.16		1479.1							
	OBS	00138	06.12	34.62	27.26		1477.3							
	STD	00150	06.25	34.67	27.28	00.166	1478.1							
	OBS	00150	06.25	34.67	27.28		1478.1							
	OBS	00165	06.35	34.72	27.31		1478.8							
	OBS	00184	06.13	34.66	27.29		1478.2							
	STD	00200	04.45	34.50	27.36	00.205	1471.4							
	OBS	00200	04.45	34.50	27.36		1471.4							
	OBS	00208	04.13	34.47	27.37		1470.1							
	OBS	00223	05.79	34.76	27.41		1477.6							
	OBS	00235	05.05	34.67	27.42		1474.5							
	STD	00250	05.82	34.84	27.47	00.240	1478.3							
	OBS	00250	05.82	34.84	27.47		1478.3							
	OBS	00280	05.24	34.78	27.49		1476.3							
	STD	00300	04.39	34.68	27.51	00.272	1473.0							
	OBS	00300	04.39	34.68	27.51		1473.0							
	OBS	00318	03.36	34.64	27.59		1468.9							
	OBS	00348	05.73	34.56	27.58		1479.7							
	OBS	00380	05.05	34.91	27.62		1477.4							
	OBS	00385	05.21	34.96	27.64		1478.2							
	STD	00400	05.08	34.94	27.64	00.328	1477.8							
	OBS	00400	05.06	34.94	27.64		1477.8							
	OBS	00442	04.81	34.92	27.66		1477.4							
	OBS	00455	04.85	34.94	27.66		1478.0							
	OBS	00482	04.75	34.95	27.69		1477.9							
	STD	00500	04.79	34.95	27.68	00.376	1478.3							
	OBS	00500	04.79	34.95	27.68		1478.3							
	STD	00600	04.44	34.94	27.71	00.424	1478.5							
	OBS	00600	04.44	34.94	27.71		1478.5							
	OBS	00640	04.30	34.93	27.72		1478.6							
	STD	00700	04.29	34.94	27.73	00.470	1479.5							
	OBS	00700	04.29	34.94	27.73		1479.5							
	STD	00800	04.17	34.93	27.73	00.515	1480.7							
	OBS	00800	04.17	34.93	27.73		1480.7							
	OBS	00825	03.95	34.92	27.75		1480.2							
	OBS	00862	04.02	34.93	27.75		1481.1							

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TABLE I. USCGC CHASE, February, 1977.– Continued

NODC STATION DATA

REFID 31 8434	YEAR 1975	BOTDP 0420C	AIR TEMP 01.7	DIR PGT PER	WIND-DIR 26	INST STD RECORDER	TEN SG 1306
CONSEC 0011	MONTH 02	SHIP E1	WET BULB 01.1	30 9 5	WIND-SPD 30	TRACE DIR 0	3 SQUARE 2
LAT 43 58 N	DAY 11	DATA USE 1	BAROMETR 1004.4	SEA	WIND-FOR	DURATION	2 SQUARE 24
LONG 045 48 W	HOUR 03.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG A3 06311	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	O2NODPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	06.27	34.32	27.00	00.000	1475.3							
03.1	OBS	00030	06.27	34.32	27.00		1475.3							
	STD	00010	06.28	34.32	27.00	00.011	1475.5							
	OBS	00010	06.28	34.32	27.00		1475.5							
	STD	00020	06.30	34.33	27.01	00.021	1475.7							
	OBS	00020	06.30	34.33	27.01		1475.7							
	STD	00030	06.32	34.33	27.00	00.032	1476.0							
	OBS	00030	06.32	34.33	27.00		1476.0							
	STD	00050	06.30	34.33	27.01	00.053	1476.2							
	OBS	00050	06.30	34.33	27.01		1476.2							
	OBS	00060	06.60	34.41	27.03		1477.7							
	OBS	00065	06.44	34.39	27.04		1477.1							
	STD	00075	07.87	34.59	26.99 •	00.080	1483.1							
	OBS	00075	07.87	34.59	26.99		1483.1							
	OBS	00094	09.30	35.04	27.12		1489.4							
	STD	00100	09.24	35.05	27.14	00.106	1489.3							
	OBS	00100	09.24	35.05	27.14		1489.3							
	STD	00125	08.96	35.06	27.19	00.129	1488.7							
	OBS	00125	08.96	35.06	27.19		1488.7							
	OBS	00135	09.18	35.14	27.22		1489.8							
	STD	00150	08.38	35.05	27.24	00.151	1487.7							
	OBS	00150	08.38	35.05	27.24		1487.7							
	OBS	00158	08.34	35.04	27.27		1486.9							
	OBS	00165	08.61	35.09	27.27		1488.1							
	STD	00200	07.13	34.84	27.30	00.194	1482.6							
	OBS	00200	07.13	34.84	27.30		1482.6							
	OBS	00230	06.21	34.77	27.36		1479.4							
	STD	00250	06.56	34.90	27.42	00.232	1481.3							
	OBS	00250	06.56	34.90	27.42		1481.3							
	OBS	00258	06.29	34.85	27.42		1480.3							
	OBS	00268	06.47	34.93	27.46		1481.3							
	STD	00300	05.50	34.80	27.48	00.266	1477.7							
	OBS	00300	05.50	34.80	27.48		1477.7							
	OBS	00318	05.52	34.82	27.49		1478.1							
	OBS	00340	06.84	35.09	27.53		1484.1							
	STD	C0400	06.32	35.06	27.58	00.327	1483.0							
	OBS	00400	06.32	35.06	27.58		1483.0							
	OBS	C0450	06.01	35.07	27.63		1482.6							
	STD	00500	05.38	35.02	27.67	00.381	1480.8							
	OBS	00500	05.38	35.02	27.67		1480.8							
	OBS	00560	03.88	34.85	27.70		1475.7							
	STD	00600	03.78	34.84	27.70	00.429	1475.6							
	OBS	00600	03.78	34.84	27.70		1475.6							
	OBS	00625	03.66	34.86	27.73		1475.5							
	OBS	00658	04.11	34.93	27.74		1478.1							
	STD	C0700	03.81	34.89	27.74	00.473	1477.5							
	OBS	00700	03.81	34.89	27.74		1477.5							
	STD	00800	03.81	34.91	27.76	00.516	1479.2							
	OBS	00800	03.81	34.91	27.76		1479.2							
	OBS	00860	03.96	34.95	27.77		1480.6							
	STD	C0900	03.92	34.93	27.76	00.559	1481.3							
	OBS	00900	03.92	34.93	27.76		1481.3							
	OBS	00915	03.84	34.92	27.76		1481.2							
	OBS	00950	04.02	34.95	27.77		1482.6							
	STD	01000	04.02	34.96	27.77	00.602	1483.4							
	OBS	01000	04.02	34.96	27.77		1483.4							
	STD	01100	03.98	34.98	27.78	00.645	1484.9							
	OBS	01100	03.98	34.96	27.78		1484.9							
	STD	01200	03.90	34.96	27.79	00.689	1486.3							
	OBS	01200	03.90	34.96	27.79		1486.3							
	STD	01300	03.74	34.94	27.79	00.732	1487.3							
	OBS	01300	03.74	34.94	27.79		1487.3							
	STD	C1400	03.67	34.93	27.79	00.776	1488.6							
	OBS	01400	03.67	34.93	27.79		1488.6							
	STD	01500	03.73	34.95	27.80	00.821	1490.6							
	OBS	C1500	03.73	34.95	27.80		1490.6							

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TABLE 1. USCGC CHASE, February, 1977. Continued

NODC STATION DATA

REFID 31 8434	YEAR 1975	BOTOP 04372	AIR TEMP 01.1	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSEC 0012	MONTH 02	SHIP E1	WET BULB 01.1	28 9 4	WIND-SPD 40	TRACE DIR D	5 SQUARE 2
LAT 43 53.7N	DAY 11	DATA USE 1	BAROMETR 1006.8	SEA	WIND-FOR	DURATION	2 SQUARE 24
LONG 045 12 W	HOUR 07.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X7	ORIG A3 06312	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYC	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	12.52	35.49	26.89	00.000	1459.9							
07.3	OBS	C0000	12.52	35.49	26.89		1499.9							
	STD	00010	12.50	35.49	26.89	00.012	1500.0							
	OBS	00010	12.50	35.49	26.89		1500.0							
	STD	00020	12.49	35.48	26.88	00.024	1500.1							
	OBS	00020	12.49	35.48	26.88		1500.1							
	STD	00030	12.39	35.46	26.89	00.035	1499.9							
	OBS	00030	12.39	35.46	26.89		1499.9							
	STD	00050	12.47	35.50	26.90	00.059	1500.5							
	OBS	00050	12.47	35.50	26.90		1500.5							
	STD	00075	12.80	35.57	26.89	00.088	1502.1							
	OBS	00075	12.80	35.57	26.89		1502.1							
	STD	00100	12.81	35.58	26.90	00.118	1502.6							
	OBS	00100	12.81	35.58	26.90		1502.6							
	STD	00125	13.00	35.64	26.91	00.148	1503.7							
	OBS	00125	13.00	35.64	26.91		1503.7							
	STD	00150	13.13	35.67	26.90	00.178	1504.6							
	OBS	00150	13.13	35.67	26.90		1504.6							
	STD	00200	13.31	35.72	26.90	00.238	1506.1							
	OBS	00200	13.31	35.72	26.90		1506.1							
	OBS	00240	13.58	35.81	26.92		1507.7							
	STD	C0250	13.38	35.79	26.94	00.298	1507.2							
	OBS	00250	13.38	35.79	26.94		1507.2							
	STD	C0300	10.39	35.31	27.14	00.353	1497.1							
	OBS	00300	10.39	35.31	27.14		1497.1							
	OBS	00348	05.47	35.17	27.19		1494.4							
	OBS	0C353	05.62	35.27	27.25		1495.2							
	OBS	00360	05.45	35.24	27.24		1494.7							
	OBS	00365	05.76	35.32	27.26		1495.9							
	STD	00400	08.58	35.21	27.31	00.446	1493.5							
	OBS	00400	08.58	35.21	27.31		1493.5							
	STD	00500	07.34	35.13	27.49	00.523	1488.8							
	OBS	00500	07.34	35.13	27.49		1486.8							
	STD	C0600	06.28	35.12	27.63	00.585	1486.2							
	OBS	00600	06.28	35.12	27.63		1486.2							
	STD	00700	05.58	35.08	27.69	00.638	1485.0							
	OBS	C0700	05.58	35.08	27.69		1485.0							
	STD	00800	04.88	35.02	27.73	00.687	1483.8							
	OBS	00800	04.88	35.02	27.73		1483.8							
	OBS	00822	04.55	35.05	27.74		1484.5							
	OBS	00845	04.73	35.02	27.74		1483.9							
	STD	00900	04.46	35.02	27.77	00.733	1483.7							
	OBS	00900	04.46	35.02	27.77		1483.7							
	STD	01000	04.15	34.95	27.75	00.777	1484.0							
	OBS	01000	04.15	34.95	27.75		1484.0							
	STD	01100	03.56	34.92	27.75	00.823	1484.8							
	OBS	01100	03.96	34.92	27.75		1484.8							
	STD	01200	03.86	34.91	27.75	00.869	1486.0							
	OBS	01200	03.86	34.91	27.75		1486.0							
	STD	01300	03.81	34.91	27.76	00.916	1487.5							
	OBS	01300	03.81	34.91	27.76		1487.5							
	STD	01400	03.78	34.91	27.76	00.963	1489.1							
	OBS	01400	03.78	34.91	27.76		1489.1							
	STD	01500	03.77	34.92	27.77	01.010	1490.7							
	OBS	01500	03.77	34.92	27.77		1490.7							

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TABLE I. USCGC CHASE, February, 1977.—Continued

NCDC STATION DATA

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REFID  31  8435     YEAR 1975     BOTCP 00139    AIR TEMP  -04.0    DIR HGT PER    WIND-DIR 25    INST STD RECORDER    TEN SC 1306
CONSEC    0001      MONTH 02      SHIP E1        WET BULB  -04.9    02   2   5    WIND-SPD 15    TRACE DIA      0     5 SQUARE  4
LAT   46 57.2N      DAY     12    DATA USE  1    BAROMETR 1007.8    SEA            WIND-FOR       DURATION             2 SQUARE 68
LONG  048 00 W      HOUR 08.0     AREA      05   CLOUD T/A          CL/TR          WEATHER  AB    ORIG  A2 06001        1 SQUARE 68
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.33	33.29	26.80	00.000	1440.7							
08.0	OBS	00000	- 1.33	33.29	26.80		1440.7							
	STD	00010	- 1.33	33.29	26.80	00.013	1440.9							
	OBS	00010	- 1.33	33.29	26.80		1440.9							
	STD	00020	- 1.33	33.29	26.80	00.025	1441.1							
	OBS	00020	- 1.33	33.29	26.80		1441.1							
	STD	00030	- 1.33	33.29	26.80	00.038	1441.2							
	OBS	00030	- 1.33	33.29	26.80		1441.2							
	STD	00050	- 1.32	33.29	26.80	00.063	1441.6							
	OBS	00050	- 1.32	33.29	26.80		1441.6							
	STD	00075	- 1.26	33.31	26.81	00.094	1442.3							
	OBS	00075	- 1.26	33.31	26.81		1442.3							
	STD	00100	- 0.21	33.59	27.00	00.123	1448.0							
	OBS	00100	- 0.21	33.59	27.00		1448.0							
	STD	00125	00.96	34.22	27.44	00.144	1454.6							
	OBS	00125	00.96	34.22	27.44		1454.6							

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REFID  31  8435     YEAR 1975     BOTOP 00170    AIR TEMP  -02.0    DIR HGT PER    WIND-DIR 25    INST STD RECORDER    TEN SC 1306
CONSEC    0002      MONTH 02      SHIP E1        WET BULB  -04.5    26   3   3    WIND-SPD 10    TRACE DIA      0     5 SQUARE  4
LAT   46 59 N       DAY     12    DATA USE  1    BAROMETR 1006.8    SEA            WIND-FOR       DURATION             2 SQUARE 66
LONG  047 41 W      HOUR 09.2     AREA      05   CLOUD T/A          CL/TR          WEATHER  A1    CRIG  A2 06002       1 SQUARE 67
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.33	33.28	26.79	00.000	1440.7							
09.2	OBS	00000	- 1.33	33.28	26.79		1440.7							
	STD	00010	- 1.33	33.28	26.79	00.013	1440.9							
	OBS	00010	- 1.33	33.28	26.79		1440.9							
	STD	00020	- 1.28	33.32	26.82	00.025	1441.3							
	OBS	00020	- 1.28	33.32	26.82		1441.3							
	STD	00030	- 1.17	33.36	26.85	00.037	1442.1							
	OBS	00030	- 1.17	33.36	26.85		1442.1							
	STD	00050	- 1.02	33.40	26.88	00.061	1443.2							
	OBS	00050	- 1.02	33.40	26.88		1443.2							
	STD	00075	- 0.89	33.46	26.92	00.090	1444.3							
	OBS	00075	- 0.89	33.46	26.92		1444.3							
	OBS	00090	- 0.83	33.47	26.93		1444.8							
	STD	00100	- 0.57	33.56	26.99	00.118	1446.3							
	OBS	00100	- 0.57	33.56	26.99		1446.3							
	OBS	00110	- 0.16	33.75	27.13		1448.6							

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REFIC  31  8435     YEAR 1975     BOTOP 00215    AIR TEMP  -02.0    DIR HGT PER    WIND-DIR 31    INST STD RECORDER    TEN SD 1306
CONSEC    0003      MONTH 02      SHIP E1        WET BULB  -04.5    08   3   5    WIND-SPD 07    TRACE DIA      0     5 SQUARE  4
LAT   47 00 N       DAY     12    DATA USE  1    BAROMETR 1004.7    SEA            WIND-FOR       DURATION             2 SQUARE 66
LONG  047 30 W      HOUR 10.5     AREA      05   CLOUD T/A          CL/TR          WEATHER  X7    ORIG  A2 06003       1 SQUARE 77
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.13	33.41	26.85	00.000	1441.8							
10.5	OBS	00000	- 1.13	33.41	26.85		1441.8							
	STD	00010	- 1.13	33.41	26.89	00.012	1442.0							
	OBS	00010	- 1.13	33.41	26.85		1442.0							
	STD	00020	- 1.13	33.41	26.85	00.023	1442.2							
	OBS	00020	- 1.13	33.41	26.85		1442.2							
	STD	00030	- 1.13	33.41	26.85	00.035	1442.3							
	OBS	00030	- 1.13	33.41	26.85		1442.3							
	STD	00050	- 1.13	33.41	26.89	00.058	1442.7							
	OBS	00050	- 1.13	33.41	26.89		1442.7							
	STD	00075	- 1.06	33.46	26.93	00.087	1443.5							
	OBS	00075	- 1.06	33.46	26.93		1443.5							
	STD	00100	- 0.85	33.52	26.97	00.115	1444.8							
	OBS	00100	- 0.89	33.52	26.97		1444.8							
	OBS	00109	- 0.58	33.63	27.05		1446.5							
	STD	00125	- 0.50	33.65	27.06	00.141	1447.2							
	OBS	00125	- 0.50	33.65	27.06		1447.2							
	STD	00150	- 0.05	33.78	27.15	00.165	1449.8							
	OBS	00150	- 0.05	33.78	27.15		1449.8							
	OBS	00162	00.72	33.99	27.27		1453.6							
	OBS	00178	00.99	34.12	27.36		1455.5							
	OBS	00190	01.01	34.11	27.35		1455.8							

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TABLE 1. USCGC CHASE, February, 1977. Continued

NODC STATION DATA

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REFID   31  8435    YEAR 1975    BOTOP 00823    AIR TEMP  -01.8    DIR HGT PER    WIND-DIR 35    INST STD RECORDER       TEN SQ 1306
CONSEC     0004     MONTH  02    SHIP E1        WET BULB  -02.6    18  3   4      WIND-SPD 05    TRACE DIR        D      5 SQUARE  4
LAT   46 55.5N      DAY    12    DATA USE  1    BARGMETR 1003.0    SEA            WIND-FOR       DURATION               2 SQUARE 66
LONG  047 15 W      HOUR 11.9    AREA      05    CLOUD T/A         CL/TR          WEATHER  X7    ORIG A2 06004          1 SQUARE 67
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.29	33.97	27.28	00.000	1449.2							
11.9	OBS	00000	00.29	33.97	27.28		1449.2							
	STD	00010	00.33	33.99	27.30	00.008	1449.6							
	OBS	00010	00.33	33.99	27.30		1449.6							
	STD	00020	00.43	34.02	27.31	00.016	1450.2							
	OBS	00020	00.43	34.02	27.31		1450.2							
	STD	00030	00.53	34.04	27.32	00.023	1450.9							
	OBS	00030	00.53	34.04	27.32		1450.9							
	STD	00050	00.58	34.05	27.33	00.039	1451.4							
	OBS	00050	00.58	34.05	27.33		1451.4							
	STD	00075	00.60	34.06	27.34	00.057	1452.0							
	OBS	00075	00.60	34.06	27.34		1452.0							
	STD	00100	00.64	34.07	27.34	00.076	1452.6							
	OBS	00100	00.64	34.07	27.34		1452.6							
	STD	00125	01.21	34.25	27.45	00.093	1455.8							
	OBS	00125	01.21	34.25	27.45		1455.8							
	OBS	00140	01.54	34.31	27.48		1457.6							
	STD	00150	01.42	34.30	27.48	00.109	1457.2							
	OBS	00150	01.42	34.30	27.48		1457.2							
	OBS	00155	01.31	34.29	27.48		1456.8							
	STD	00200	01.33	34.31	27.49	00.140	1457.6							
	OBS	00200	01.33	34.31	27.49		1457.6							
	STD	00250	02.91	34.60	27.60	00.168	1465.8							
	OBS	00250	02.91	34.60	27.60		1465.8							
	STD	00300	03.11	34.66	27.63	00.193	1467.6							
	OBS	00300	03.11	34.66	27.63		1467.6							
	STD	00400	03.54	34.80	27.70	00.240	1471.2							
	OBS	00400	03.54	34.80	27.70		1471.2							
	STD	00500	03.53	34.84	27.73	00.283	1472.9							
	OBS	00500	03.53	34.84	27.73		1472.9							
	STD	00600	03.52	34.86	27.75	00.325	1474.5							
	OBS	00600	03.52	34.86	27.75		1474.5							
	STD	00700	03.49	34.86	27.75	00.366	1476.1							
	OBS	00700	03.49	34.86	27.75		1476.1							
	OBS	00780	03.42	34.87	27.76		1477.1							

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REFID   31  8435    YEAR 1975    BOTOP 01225    AIR TEMP  -01.9    DIR HGT PER    WIND-DIR 35    INST STD RECORDER       TEN SQ 1306
CONSEC     0005     MONTH  02    SHIP E1        WET BULB  -02.6    14  3   5      WIND-SPD 05    TRACE DIR        D      5 SQUARE  4
LAT   47 00 N       DAY    12    DATA USE  1    BARGMETR 1002.0    SEA            WIND-FOR       CURATION               2 SQUARE 66
LONG  047 02 W      HOUR 13.3    AREA      05    CLOUD T/A         CL/TR          WEATHER  X7    ORIG A2 06005          1 SQUARE 77
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.61	34.31	27.47	00.000	1455.6							
13.3	OBS	00000	01.61	34.31	27.47		1455.6							
	STD	00010	01.61	34.31	27.47	00.006	1455.8							
	OBS	00010	01.61	34.31	27.47		1455.8							
	STD	00020	01.61	34.31	27.47	00.012	1455.9							
	OBS	00020	01.61	34.31	27.47		1455.9							
	STD	00030	01.63	34.32	27.48	00.019	1456.2							
	OBS	00030	01.63	34.32	27.48		1456.2							
	STD	00050	01.67	34.33	27.48	00.031	1456.7							
	OBS	00050	01.67	34.33	27.48		1456.7							
	STD	00075	01.69	34.34	27.49	00.046	1457.2							
	OBS	00075	01.69	34.34	27.49		1457.2							
	STD	00100	01.73	34.35	27.49	00.061	1457.8							
	OBS	00100	01.73	34.35	27.49		1457.8							
	OBS	00115	01.79	34.36	27.50		1458.4							
	STD	00125	02.64	34.65	27.64	00.075	1463.5							
	OBS	00125	02.64	34.65	27.64		1463.5							
	STD	00150	03.40	34.76	27.68	00.088	1466.5							
	OBS	00150	03.40	34.76	27.68		1466.5							
	STD	00200	03.50	34.80	27.70	00.107	1467.8							
	OBS	00200	03.50	34.80	27.70		1467.8							
	STD	00250	03.50	34.84	27.73	00.128	1468.6							
	OBS	00250	03.50	34.84	27.73		1468.6							
	STD	00300	03.50	34.85	27.74	00.148	1469.5							
	OBS	00300	03.50	34.85	27.74		1469.5							
	STD	00400	03.45	34.86	27.75	00.187	1470.9							
	OBS	00400	03.45	34.86	27.75		1470.9							
	STD	00500	03.38	34.86	27.76	00.225	1472.3							
	OBS	00500	03.38	34.86	27.76		1472.3							
	STD	00600	03.36	34.86	27.76	00.265	1473.9							
	OBS	00600	03.36	34.86	27.76		1473.9							
	STD	00700	03.37	34.86	27.76	00.305	1475.6							
	OBS	00700	03.37	34.86	27.76		1475.6							
	STD	00800	03.34	34.86	27.76	00.345	1477.1							
	OBS	00800	03.34	34.86	27.76		1477.1							
	STD	00900	03.35	34.86	27.76	00.387	1478.8							
	OBS	00900	03.35	34.86	27.76		1478.8							
	STD	01000	03.34	34.86	27.76	00.429	1480.4							
	OBS	01000	03.34	34.86	27.76		1480.4							
	STD	01100	03.34	34.86	27.76	00.472	1482.1							
	OBS	01100	03.34	34.86	27.76		1482.1							
	OBS	01150	03.35	34.86	27.76		1483.0							

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TABLE 1. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA

REFID 31 6435	YEAR 1975	BOTOP 01061	AIR TEMP 01.1	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SO 1306
CONSEC 0006	MONTH 02	SHIP E1	WET BULB -00.8	24 2 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 47 03 N	DAY 12	DATA USE 1	BAROMETA 1001.7	SE6	WIND-FQA	DURATION	2 SQUARE 66
LONG 046 50 W	HOUR 14.9	AREA 05	CLOUD T/6	CL/TR	WEATHER X7	DR LC 62 06006	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.49	34.19	27.38	00.000	1454.9							
14.9	OBS	00000	01.49	34.19	27.38		1454.9							
	STD	00010	01.66	34.25	27.42	00.007	1455.9							
	OBS	00010	01.66	34.25	27.42		1455.9							
	STD	00020	01.65	34.25	27.42	00.014	1456.0							
	OBS	00020	01.65	34.25	27.42		1456.0							
	STD	00030	01.65	34.25	27.42	00.020	1456.2							
	OBS	00030	01.65	34.25	27.42		1456.2							
	STD	00050	01.65	34.25	27.42	00.034	1456.5							
	OBS	00050	01.65	34.25	27.42		1456.5							
	STD	00075	01.64	34.25	27.42	00.051	1457.0							
	OBS	00075	01.66	34.25	27.42		1457.0							
	STD	00100	01.65	34.25	27.42	00.067	1457.3							
	OBS	00100	01.65	34.25	27.42		1457.3							
	STD	00125	01.72	34.29	27.45	00.084	1458.1							
	OBS	00125	01.72	34.29	27.45		1458.1							
	OBS	00140	01.73	34.30	27.45		1458.4							
	STD	00150	02.00	34.38	27.50	00.095	1459.9							
	OBS	00150	02.00	34.38	27.50		1459.9							
	STD	00200	03.91	34.76	27.63	00.127	1465.4							
	OBS	00200	03.91	34.76	27.63		1465.4							
	OBS	00210	04.20	34.84	27.66		1470.9							
	OBS	00220	03.80	34.80	27.67		1469.4							
	STD	00250	03.90	34.85	27.70	00.150	1470.4							
	OBS	00250	03.90	34.85	27.70		1470.4							
	OBS	00260	04.01	34.88	27.71		1471.5							
	STD	00300	04.00	34.88	27.71	00.171	1471.6							
	OBS	00300	04.00	34.88	27.71		1471.6							
	STD	00400	03.93	34.91	27.74	00.212	1473.0							
	OBS	00400	03.93	34.91	27.74		1473.0							
	STD	00500	03.80	34.90	27.75	00.253	1474.1							
	OBS	00500	03.80	34.90	27.75		1474.1							
	STD	00600	03.73	34.90	27.76	00.293	1475.5							
	OBS	00600	03.73	34.90	27.76		1475.5							
	STD	00700	03.68	34.90	27.76	00.334	1476.9							
	OBS	00700	03.68	34.90	27.76		1476.9							
	STD	00800	03.64	34.90	27.77	00.375	1478.4							
	OBS	00800	03.64	34.90	27.77		1478.4							
	STD	00900	03.61	34.89	27.76	00.417	1480.0							
	OBS	00900	03.61	34.89	27.76		1480.0							
	STD	01000	03.59	34.89	27.76	00.459	1481.5							
	OBS	01000	03.59	34.89	27.76		1481.5							

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TABLE I. USCGC CHASE, February, 1977.- Continued

NCDC STATION DATA

REFID 31 8435   YEAR 1975   BOTOP 00466   AIR TEMP -03.0   DIR HGT PER   WIND-DIR 31   INST STD RECORDER   TEN SG 1306
CONSEC 0007   MONTH 02   SHIP E1   WET BULB -03.6   32 3 6   WIND-SPD 25   TRACE DIR   0   5 SQUARE 4
LAT 46 55 N   DAY 12   DATA USE 1   BAROMETR 1001.7   SEA   WIND-FOR   DURATION   2 SQUARE 66
LONG 046 38.3W   HOUR 16.6   AREA   05   CLOUD 7/A   CL/TR   WEATHER A7   ORIG A2 06007   1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT+P	NO2	NO3	SIO3	PH
	STD	00000	01.90	33.77	27.02	00.000	1456.1							
16.6	OBS	00000	01.90	33.77	27.02		1456.1							
	STD	00010	01.89	33.78	27.03	00.010	1456.3							
	OBS	00010	01.89	33.76	27.03		1456.3							
	STD	00020	01.89	33.78	27.03	00.021	1456.4							
	OBS	00020	01.89	33.78	27.03		1456.4							
	STD	00030	01.91	33.76	27.02	00.031	1456.7							
	OBS	00030	01.91	33.78	27.02		1456.7							
	STD	00050	01.91	33.79	27.03	00.052	1457.0							
	OBS	00050	01.91	33.79	27.03		1457.0							
	OBS	00065	01.92	33.80	27.04		1457.3							
	STD	00075	02.19	33.87	27.07	00.078	1456.8							
	OBS	00075	02.19	33.87	27.07		1456.8							
	OBS	00093	03.89	34.55	27.46		1467.3							
	OBS	00098	03.75	34.54	27.47		1466.6							
	STD	00100	03.81	34.59	27.50	00.096	1467.2							
	OBS	00100	03.81	34.59	27.50		1467.2							
	OBS	00108	04.02	34.61	27.50		1468.2							
	STD	00125	04.02	34.64	27.52	00.113	1468.5							
	OBS	00125	04.02	34.64	27.52		1468.5							
	OBS	00130	04.04	34.64	27.52		1468.7							
	OBS	00138	04.25	34.70	27.54		1469.8							
	OBS	00143	04.05	34.70	27.56		1469.0							
	STD	00150	04.33	34.73	27.56	00.127	1470.3							
	OBS	00150	04.33	34.73	27.56		1470.3							
	OBS	00180	04.30	34.75	27.58		1470.7							
	OBS	00185	04.19	34.74	27.56		1470.4							
	OBS	00192	04.44	34.84	27.63		1471.6							
	STD	00200	04.00	34.76	27.62	00.153	1469.8							
	OBS	00200	04.00	34.76	27.62		1469.8							
	OBS	00222	03.76	34.76	27.64		1469.2							
	STD	00250	04.05	34.84	27.68	00.177	1471.0							
	OBS	00250	04.05	34.84	27.68		1471.0							
	OBS	00270	04.25	34.88	27.69		1472.2							
	STD	00300	04.20	34.89	27.70	00.199	1472.5							
	OBS	00300	04.20	34.89	27.70		1472.5							
	OBS	00350	04.04	34.91	27.73		1472.7							
	OBS	00355	03.92	34.91	27.74		1472.2							
	OBS	00370	03.86	34.91	27.75		1472.2							
	STD	00400	03.85	34.91	27.75	00.241	1472.7							
	OBS	00400	03.85	34.91	27.75		1472.7							
	OBS	00425	03.84	34.91	27.75		1473.1							

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REFID 31 8435   YEAR 1975   BOTOP 00318   AIR TEMP -02.9   DIR HGT PER   WIND-DIR 33   INST STD RECORDER   TEN SD 1306
CONSEC 0008   MONTH 02   SHIP E1   WET BULB -03.5   30 3 6   WIND-SPD 30   TRACE DIR   0   5 SQUARE 4
LAT 46 58 N   DAY 12   DATA USE 1   BAROMETR 1004.4   SEA   WIND-FOR   DURATION   2 SQUARE 66
LONG 046 22.5W   HOUR 18.3   AREA   05   CLOUD 7/A   CL/TR   WEATHER X1   ORIG A2 06008   1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TDT P	NO2	NO3	SIO3	PH
	STD	00000	02.15	33.73	26.97	00.000	1457.2							
18.3	OBS	00000	02.15	33.73	26.97		1457.2							
	STD	00010	02.15	33.74	26.97	00.011	1457.4							
	OBS	00010	02.15	33.74	26.97		1457.4							
	STD	00020	02.16	33.74	26.97	00.022	1457.6							
	OBS	00020	02.16	33.74	26.97		1457.6							
	STD	00030	02.16	33.74	26.97	00.033	1457.7							
	OBS	00030	02.16	33.74	26.97		1457.7							
	STD	00050	02.17	33.74	26.97	00.055	1458.1							
	OBS	00050	02.17	33.74	26.97		1458.1							
	STD	00075	02.18	33.75	26.98	00.082	1458.6							
	OBS	00075	02.18	33.75	26.98		1458.6							
	OBS	00085	02.20	33.75	26.98		1458.8							
	STD	00100	03.34	34.46	27.44	00.104	1465.0							
	OBS	00100	03.34	34.46	27.44		1465.0							
	OBS	00120	03.49	34.56	27.51		1466.1							
	STD	00125	03.76	34.60	27.51	00.119	1467.4							
	OBS	00125	03.76	34.60	27.51		1467.4							
	STD	00150	04.09	34.69	27.55	00.134	1469.3							
	OBS	00150	04.09	34.69	27.55		1469.3							
	OBS	00160	04.24	34.73	27.57		1470.1							
	OBS	00190	03.95	34.74	27.61		1469.4							
	STD	00200	04.02	34.78	27.63	00.160	1469.9							
	OBS	00200	04.02	34.78	27.63		1469.9							
	OBS	00205	03.79	34.84	27.70		1469.1							
	OBS	00220	04.19	34.88	27.69		1471.1							
	OBS	00235	04.24	34.89	27.69		1471.6							
	STD	00250	04.19	34.91	27.72	00.183	1471.7							
	OBS	00250	04.19	34.91	27.72		1471.7							
	OBS	00265	04.05	34.93	27.75		1471.3							
	OBS	00290	04.06	34.93	27.75		1471.8							

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Table 1. USCGC CHASE, February, 1977.—Continued

NODC STATION DATA

REFID 31 8435	YEAR 1975	BOTOP 00292	AIR TEMP -04.7	DIR HGT PER	WIND-DIR 32	INST STO RECORDER	TEN SO 1306
CONSEC 0009	MONTH 02	SHIP E1	WET BULB -05.1	33 4 5	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 46 58 N	DAY 12	DATA USE 1	BAROMETR 1005.8	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 52.0W	HOUR 20.4	AREA 05	CLOUD T/A	CL/TR	WEATHER A8	ORIG A2 06009	1 SQUARE 65

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.08	33.79	27.02	00.000	1457.0							
20.4	OBS	00000	02.08	33.79	27.02		1457.0							
	STD	00010	02.11	33.80	27.02	00.010	1457.3							
	OBS	00010	02.11	33.80	27.02		1457.3							
	STD	00020	02.10	33.80	27.03	00.021	1457.4							
	OBS	00020	02.10	33.80	27.03		1457.4							
	STD	00030	02.10	33.80	27.03	00.031	1457.6							
	OBS	00030	02.10	33.80	27.03		1457.6							
	STD	00050	02.11	33.81	27.03	00.052	1457.9							
	OBS	00050	02.11	33.81	27.03		1457.9							
	STD	00075	02.14	33.81	27.03	00.078	1458.3							
	OBS	00075	02.14	33.81	27.03		1458.5							
	STD	00100	02.64	34.44	27.47	00.099	1462.8							
	OBS	00100	02.64	34.44	27.47		1462.8							
	STD	00125	03.59	34.65	27.37	00.113	1466.7							
	OBS	00125	03.59	34.65	27.37		1466.7							
	STD	00150	03.89	34.78	27.64	00.126	1468.6							
	OBS	00150	03.89	34.78	27.64		1468.6							
	OBS	00155	04.04	34.80	27.64		1469.3							
	OBS	00175	04.05	34.83	27.67		1469.7							
	OBS	00160	04.00	34.84	27.68		1469.6							
	OBS	00195	04.01	34.86	27.70		1469.9							
	STD	00200	04.16	34.68	27.70	00.149	1470.7							
	OBS	00200	04.16	34.68	27.70		1470.7							
	OBS	00205	04.06	34.89	27.71		1470.3							
	STD	00250	04.02	34.92	27.74	00.169	1471.0							
	OBS	00250	04.02	34.92	27.74		1471.0							
	OBS	00255	04.02	34.92	27.74		1471.0							

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REFID 31 8435	YEAR 1975	BOTOP 00292	AIR TEMP -04.2	DIR HGT PER	WIND-DIR 30	INST STO RECORDER	TEN SO 1306
CONSEC 0010	MONTH 02	SHIP E1	WET BULB -05.3		WIND-SPD 22	TRACE DIR 0	5 SQUARE 4
LAT 47 20 N	DAY 12	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 45 W	HOUR 22.6	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	ORIG A2 06010	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.86	33.63	26.91	00.000	1455.8							
22.6	OBS	00000	01.86	33.63	26.91		1455.8							
	STD	00010	01.86	33.63	26.91	00.012	1455.9							
	OBS	00010	01.86	33.63	26.91		1455.9							
	STD	00020	01.86	33.63	26.91	00.023	1456.1							
	OBS	00020	01.86	33.63	26.91		1456.1							
	STD	00030	01.87	33.63	26.91	00.035	1456.3							
	OBS	00030	01.87	33.63	26.91		1456.3							
	STD	00050	01.87	33.63	26.91	00.058	1456.6							
	OBS	00050	01.87	33.63	26.91		1456.6							
	STD	00075	01.88	33.63	26.91	00.087	1457.1							
	OBS	00075	01.88	33.63	26.91		1457.1							
	OBS	00085	01.89	33.64	26.91		1457.3							
	STD	00100	02.38	33.90	27.08	00.114	1460.1							
	OBS	00100	02.38	33.90	27.08		1460.1							
	OBS	00105	02.94	34.41	27.44		1463.3							
	OBS	00110	03.39	34.46	27.46		1465.4							
	STD	00125	03.47	34.51	27.47	00.134	1466.0							
	OBS	00125	03.47	34.51	27.47		1466.0							
	OBS	00133	03.52	34.57	27.51		1466.4							
	OBS	00136	03.77	34.65	27.55		1467.7							
	STD	00150	03.76	34.65	27.55	00.149	1467.9							
	OBS	00150	03.78	34.65	27.55		1467.9							
	OBS	00157	03.79	34.67	27.57		1468.1							
	STD	00200	03.91	34.70	27.58	00.176	1469.4							
	OBS	00200	03.91	34.70	27.58		1469.4							
	STD	00250	03.97	34.73	27.60	00.203	1470.5							
	OBS	00250	03.97	34.73	27.60		1470.5							

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TABLE I. USCGC CHASE, February, 1977. Continued

NODC STATION DATA

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REFIO  31  8435    YEAR 1975    BOTOP 00301    AIR TEMP  -02.0    DIR HGT PER    WIND-DIR 25    INST STD RECORDER      TEN SQ 1306
CONSEC     0011    MONTH 02     SHIP E1        WET BULB  -04.5                   WIND-SPD 20    TRACE DIR       0      5 SQUARE  4
LAT    47 40 N     DAY   13     DATA USE  1    BAROMETR 1008.5    SEA            WIND-FOR       DURATION              2 SQUARE 64
LONG  045 49 W     HOUR 00.7    AREA     05    CLOUD T/A          CL/TR          WEATHER  X1    ORIG A2 06011         1 SQUARE 75
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.86	33.65	26.92	00.000	1455.8							
00.7	OBS	00000	01.86	33.65	26.92		1455.8							
	STD	00010	01.86	33.65	26.92	00.011	1456.0							
	OBS	00010	01.86	33.65	26.92		1456.0							
	STD	00020	01.86	33.65	26.92	00.023	1456.1							
	OBS	00020	01.86	33.65	26.92		1456.1							
	STD	00030	01.86	33.65	26.92	00.034	1456.3							
	OBS	00030	01.86	33.65	26.92		1456.3							
	STD	00050	01.88	33.65	26.92	00.057	1456.7							
	OBS	00050	01.88	33.65	26.92		1456.7							
	STD	00075	01.89	33.66	26.93	00.086	1457.2							
	OBS	00075	01.89	33.66	26.93		1457.2							
	STD	00100	01.90	33.66	26.93	00.114	1457.6							
	OBS	00100	01.90	33.66	26.93		1457.6							
	OBS	00110	02.54	34.07	27.21		1461.2							
	STD	00125	03.31	34.45	27.44	00.136	1465.2							
	OBS	00125	03.31	34.45	27.44		1465.2							
	OBS	00130	03.34	34.47	27.45		1465.5							
	OBS	00138	03.28	34.49	27.47		1465.4							
	STD	00150	03.52	34.56	27.51	00.152	1466.7							
	OBS	00150	03.52	34.56	27.51		1466.7							
	OBS	00173	03.84	34.65	27.55		1468.5							
	OBS	00195	04.03	34.76	27.61		1469.5							
	STD	00200	04.00	34.77	27.62	00.180	1469.8							
	OBS	00200	04.00	34.77	27.62		1469.8							
	STD	00250	04.04	34.79	27.64	00.204	1470.9							
	OBS	00250	04.04	34.79	27.64		1470.9							
	OBS	00255	04.05	34.79	27.64		1471.0							

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REFIO  31  8435    YEAR 1975    BOTOP 00429    AIR TEMP  -05.5    DIR HGT PER    WIND-DIR 25    INST STD RECORDER      TEN SQ 1306
CONSEC     0012    MONTH 02     SHIP E1        WET BULB  -05.5     28  2  5      WIND-SPD 25    TRACE DIR       0      5 SQUARE  4
LAT    48 05.7N    DAY   13     DATA USE  1    BAROMETR 1008.5    SEA            WIND-FOR       DURATION              2 SQUARE 84
LONG  045 50.3W    HOUR 04.3    AREA     05    CLOUD T/A          CL/TR          WEATHER  A2    ORIG A2 06012         1 SQUARE 85
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.54	33.80	27.07	00.000	1454.6							
04.3	OBS	00000	01.54	33.80	27.07		1454.6							
	STD	00010	01.55	33.80	27.07	00.010	1454.8							
	OBS	00010	01.55	33.80	27.07		1454.8							
	STD	00020	01.57	33.81	27.07	00.020	1455.1							
	OBS	00020	01.57	33.81	27.07		1455.1							
	STD	00030	01.64	33.89	27.13	00.030	1455.6							
	OBS	00030	01.64	33.89	27.13		1455.6							
	STD	00050	01.78	34.03	27.23	00.048	1456.8							
	OBS	00050	01.78	34.03	27.23		1456.8							
	OBS	00065	02.34	34.24	27.36		1459.8							
	STD	00075	02.84	34.46	27.49	00.066	1462.4							
	OBS	00075	02.84	34.46	27.49		1462.4							
	STD	00100	03.61	34.60	27.53	00.081	1466.3							
	OBS	00100	03.61	34.60	27.53		1466.3							
	OBS	00105	03.79	34.67	27.57		1467.3							
	STD	00125	03.57	34.70	27.61	00.094	1466.7							
	OBS	00125	03.57	34.70	27.61		1466.7							
	STD	00150	03.94	34.77	27.63	00.106	1468.8							
	OBS	00150	03.94	34.77	27.63		1468.8							
	STD	00200	04.01	34.84	27.68	00.129	1470.0							
	OBS	00200	04.01	34.84	27.68		1470.0							
	OBS	00220	03.96	34.84	27.68		1470.1							
	STD	00250	04.14	34.89	27.71	00.151	1471.4							
	OBS	00250	04.14	34.89	27.71		1471.4							
	STD	00300	04.05	34.91	27.73	00.172	1471.9							
	OBS	00300	04.05	34.91	27.73		1471.9							
	STD	00400	03.81	34.91	27.76	00.211	1472.5							
	OBS	00400	03.81	34.91	27.76		1472.5							

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TABLE I. USCGC CHASE, February, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFID 31 8435	YEAR 1975	BOTOP 00713	AIR TEMP −05.5	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SD 1306
CONSEC 0313	MONTH 02	SHIP E1	WET BULB −05.5	24 2 5	WIND-SPD 20	TRACE DIR 0	5 SQUARE 4
LAT 48 20.5N	DAY 13	DATA USE 1	BAROMETR 1006.4	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 49.6W	HOUR 06.1	AREA 05	CLCUD T/A	CL/TR	WEATHER X7	ORIG A2 06013	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.78	33.96	27.18	00.000	1455.9							
06.1	OBS	00000	01.78	33.96	27.18		1455.9							
	STO	00010	01.79	33.96	27.18	00.009	1456.1							
	OBS	00010	01.79	33.96	27.18		1456.1							
	STO	00020	01.82	33.99	27.20	00.018	1456.4							
	OBS	00020	01.82	33.99	27.20		1456.4							
	STO	00030	01.82	34.00	27.21	00.027	1456.6							
	OBS	C0030	01.82	34.00	27.21		1456.6							
	STO	00050	01.92	34.05	27.24	00.044	1457.4							
	OBS	00050	01.92	34.05	27.24		1457.4							
	STO	00075	02.07	34.10	27.27	00.065	1458.8							
	OBS	00075	02.07	34.10	27.27		1458.8							
	STO	00100	02.81	34.42	27.46	00.083	1462.6							
	OBS	00100	02.81	34.42	27.46		1462.6							
	STO	00125	03.40	34.71	27.64	00.097	1466.0							
	OBS	00125	03.40	34.71	27.64		1466.0							
	STO	00150	03.58	34.77	27.67	00.108	1467.2							
	OBS	00150	03.58	34.77	27.67		1467.2							
	OBS	00175	03.81	34.81	27.70		1467.8							
	STO	00200	03.85	34.88	27.73	00.129	1469.4							
	OBS	00200	03.85	34.88	27.73		1469.4							
	OBS	00215	03.93	34.89	27.73		1470.0							
	STO	00250	03.86	34.90	27.74	00.149	1470.3							
	OBS	00250	03.86	34.90	27.74		1470.3							
	STO	00300	03.75	34.90	27.75	00.168	1470.6							
	OBS	00300	03.75	34.90	27.75		1470.6							
	OBS	00345	03.84	34.92	27.76		1471.8							
	STO	C0400	03.78	34.92	27.77	00.206	1472.4							
	OBS	00400	03.78	34.92	27.77		1472.4							
	OBS	00410	03.69	34.91	27.77		1472.2							
	OBS	00435	03.70	34.92	27.78		1472.7							
	OBS	00455	03.56	34.90	27.77		1472.4							
	STO	00500	03.54	34.89	27.77	00.244	1473.0							
	OBS	00500	03.54	34.89	27.77		1473.0							
	OBS	00550	03.56	34.90	27.77		1473.9							
	STO	00600	03.47	34.89	27.77	00.282	1474.4							
	OBS	00600	03.47	34.89	27.77		1474.4							

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REFID 31 8435	YEAR 1975	BOTOP 01061	AIR TEMP −00.2	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SD 1306
CONSEC 0014	MONTH 02	SHIP E1	WET BULB −00.6	19 1 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 48 35.8N	DAY 13	DATA USE 1	BARCMETR 1004.7	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 49.3W	HOUR 09.2	AREA 05	CLOUD 7/A	CL/TR	WEATHER A7	ORIG A2 06014	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.10	34.38	27.49	00.000	1457.9							
09.2	OBS	00000	02.10	34.38	27.49		1457.9							
	STO	00010	02.11	34.39	27.50	00.006	1458.1							
	OBS	00010	02.11	34.39	27.50		1458.1							
	STO	C0020	02.12	34.39	27.50	00.012	1458.3							
	OBS	00020	02.12	34.39	27.50		1458.3							
	STO	00030	02.12	34.39	27.50	00.018	1458.5							
	OBS	00030	02.12	34.39	27.50		1458.5							
	STO	00050	02.12	34.39	27.50	00.030	1458.8							
	OBS	00050	02.12	34.39	27.50		1458.8							
	STO	00075	02.14	34.40	27.50	00.045	1459.3							
	OBS	00075	02.14	34.40	27.50		1459.3							
	STO	00100	02.17	34.40	27.50	00.060	1459.8							
	OBS	00100	02.17	34.40	27.50		1459.8							
	STO	00125	02.19	34.42	27.51	00.075	1460.4							
	OBS	00125	02.19	34.42	27.51		1460.4							
	STO	00150	02.50	34.56	27.60	00.088	1462.3							
	OBS	C0150	02.50	34.56	27.60		1462.3							
	STO	00200	03.86	34.88	27.73	00.111	1469.4							
	OBS	00200	03.86	34.88	27.73		1469.4							
	OBS	00225	03.55	34.85	27.73		1468.5							
	OBS	00240	03.79	34.89	27.74		1469.8							
	STO	00250	03.75	34.88	27.74	00.131	1469.8							
	OBS	00250	03.75	34.88	27.74		1469.8							
	OBS	00265	03.53	34.89	27.77		1469.1							
	STO	00300	03.54	34.90	27.78	00.149	1469.7							
	OBS	00300	03.54	34.90	27.78		1469.7							
	STO	00400	03.47	34.89	27.77	00.186	1471.1							
	OBS	00400	03.47	34.89	27.77		1471.1							
	STO	00500	03.37	34.89	27.78	00.222	1472.3							
	OBS	00500	03.37	34.89	27.78		1472.3							
	STO	00600	03.34	34.89	27.79	00.259	1473.8							
	OBS	00600	03.34	34.89	27.79		1473.8							
	STO	00700	03.35	34.89	27.79	00.297	1475.5							
	OBS	C0700	03.35	34.89	27.79		1475.5							
	STO	00800	03.34	34.90	27.79	00.335	1477.2							
	OBS	00800	03.34	34.90	27.79		1477.2							
	STO	00900	03.34	34.89	27.79	00.373	1478.8							
	OBS	00900	03.34	34.89	27.79		1478.8							
	STO	01000	03.34	34.89	27.79	00.413	1480.5							
	OBS	01003	03.34	34.89	27.79		1480.5							
	OBS	01020	03.34	34.89	27.79		1480.8							

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Table II. USCGC EVERGREEN, April and May-June, 1977.

N O O C   S T A T I O N   D A T A

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REFID  51  8454      YEAR 1975    BOTOP 02942    AIR TEMP   16.7    DIR HGT PER    WIND-DIR 19    INST STO RECORDER     TEN SQ 1306
CONSEC     0001       MONTH 04     SHIP EV        WET BULB   15.1     19   2   3    WIND-SPD 20    TRACE DIR       0     5 SQUARE  2
LAT    41 00 N        DAY    08    DATA USE  1    BAROMETR 1010.5    SEA             WIND-FOR       DURATION      00.3    2 SQUARE 08
LONG   048 31 W       HOUR 17.0    AREA     05    CLOUD T/A          CL/TR           WEATHER  X1    ORIG 011 690  14      1 SQUARE 18
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	13.19	35.58	26.82	00.000	1502.2							
17.0	085	00003	13.19	35.58	26.82		1502.3							
	STO	00010	13.10	35.61	26.86	00.012	1502.1							
	085	00011	13.08	35.61	26.87		1502.1							
	STO	00020	12.94	35.59	26.88	00.024	1501.7							
	085	00020	12.93	35.59	26.88		1501.7							
	STO	00030	12.82	35.60	26.91	00.036	1501.5							
	085	00030	12.81	35.60	26.91		1501.5							
	STO	00050	12.59	35.56	26.92	00.059	1501.0							
	085	00051	12.56	35.55	26.92		1500.9							
	085	00053	12.51	35.54	26.93		1500.8							
	STO	00075	12.26	35.48	26.93	00.088	1500.2							
	085	00076	12.25	35.48	26.93		1500.2							
	STO	00100	12.24	35.48	26.93	00.117	1500.5							
	085	00100	12.24	35.48	26.93		1500.6							
	STO	00125	12.17	35.47	26.94	00.146	1500.7							
	085	00125	12.17	35.47	26.94		1500.7							
	STO	00150	12.15	35.47	26.94	00.175	1501.0							
	085	00150	12.15	35.47	26.94		1501.0							
	085	00175	12.15	35.47	26.94		1501.4							
	STO	00200	12.13	35.46	26.94	00.233	1501.8							
	085	00201	12.13	35.46	26.94		1501.8							
	085	00226	12.01	35.42	26.93		1501.7							
	085	00245	11.90	35.45	26.98		1501.7							
	STO	00250	11.70	35.39	26.97	00.291	1501.0							
	085	00251	11.65	35.38	26.97		1500.9							
	085	00255	11.51	35.37	26.99		1500.4							
	085	00264	10.66	35.16	26.98		1497.3							
	085	00276	10.38	35.21	27.07		1496.6							
	085	00298	10.27	35.20	27.08		1496.5							
	STO	00300	10.17	35.18	27.08	00.347	1496.2							
	085	00304	09.81	35.09	27.07		1494.8							
	085	00335	09.43	35.14	27.18		1494.0							
	085	00352	08.21	34.92	27.20		1489.4							
	065	00380	07.85	34.94	27.27		1488.5							
	085	00392	07.41	34.85	27.26		1486.9							
	STO	00400	07.37	34.88	27.29	00.443	1486.5							
	085	00403	07.35	34.89	27.30		1486.9							
	085	00451	07.15	34.98	27.39		1487.0							
	085	00456	07.15	34.97	27.39		1487.1							
	085	00462	06.90	34.93	27.40		1486.2							
	085	00468	06.85	34.94	27.41		1486.0							
	085	00474	06.83	34.95	27.45		1485.3							
	STO	00500	06.87	35.00	27.48	00.520	1486.0							
	085	00502	06.67	35.00	27.48		1486.0							
	085	00510	06.67	34.96	27.45 *		1486.1							
	085	00512	06.42	34.92	27.46		1485.1							
	085	00553	06.00	34.97	27.55		1484.2							
	STO	00600	05.84	35.00	27.59	00.584	1484.3							
	085	00601	05.83	35.00	27.60		1484.3							
	085	00656	05.20	34.95	27.83		1482.6							
	STO	00700	05.11	34.98	27.67	00.635	1483.0							
	085	00700	05.11	34.98	27.67		1483.0							
	085	00750	04.97	34.99	27.69		1483.3							
	STO	00800	04.86	35.01	27.72	00.685	1483.7							
	085	00801	04.88	35.01	27.72		1483.8							
	085	00850	04.92	35.02	27.72		1484.8							
	STO	00900	04.83	35.02	27.73	00.737	1485.2							
	085	00900	04.83	35.02	27.73		1485.2							
	085	00951	04.85	35.00	27.74		1485.3							
	STO	01000	04.54	34.99	27.74	00.785	1485.7							
	085	01001	04.54	34.99	27.74		1485.7							
	085	01020	04.49	34.99	27.75		1485.8							
	085	01022	04.39	34.94	27.72 *		1485.3							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIC 31 8454	YEAR 1975	BOTOP 03504	AIR TEMP 14.8	DTR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0002	MONTH 04	SHIP EV	WET BULB 14.0	26 2 3	WIND-SPD 11	TRACE DIR 0	5 SQUARE 2
LAT 41 23 N	DAY 08	DATA USE 1	BAROMETR 1008.3	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 08
LONG 048 40 W	HOUR 20.8	AREA 05	CLOUD 7/A	CL/TR	WEATHER X5	ORIG 011 691	1 SQUARE 18

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT-P	NO2	NO3	SIO3	PH
	STD	00000	14.44	35.87	26.74	00.000	1507.3							
20.8	OBS	00003	14.44	35.87	26.74		1507.4							
	STD	00010	14.62	35.86	26.74	00.013	1507.4							
	OBS	00011	14.61	35.86	26.74		1507.4							
	STD	00020	14.53	35.87	26.76	00.026	1507.3							
	OBS	00020	14.54	35.87	26.76		1507.3							
	STD	00030	14.49	35.88	26.78	00.039	1507.3							
	OBS	00030	14.48	35.88	26.78		1507.3							
	OBS	00040	14.25	35.83	26.79		1506.7							
	OBS	00043	14.07	35.79	26.80		1506.1							
	OBS	00045	13.99	35.77	26.80		1505.8							
	OBS	00049	13.51	35.65	26.81		1504.2							
	STD	00050	13.51	35.65	26.81	00.065	1504.2							
	OBS	00053	13.36	35.60	26.80		1503.7							
	OBS	00055	13.17	35.54	26.79		1503.0							
	OBS	00062	12.78	35.47	26.82		1501.7							
	OBS	00068	12.20	35.35	26.84		1499.7							
	STD	00075	11.86	35.27	26.85	00.096	1498.5							
	OBS	00078	11.75	35.26	26.86		1498.2							
	OBS	00079	11.70	35.26	26.87		1498.1							
	OBS	00085	11.62	35.23	26.87		1497.9							
	OBS	00089	11.35	35.20	26.89		1496.9							
	STD	00100	11.03	35.16	26.91	00.126	1495.9							
	OBS	00102	11.01	35.15	26.91		1495.9							
	OBS	00106	11.03	35.17	26.92		1496.0							
	OBS	00110	11.65	35.33	26.93		1498.5							
	OBS	00112	11.60	35.31	26.92		1498.3							
	STD	00125	10.87	35.17	26.95	00.153	1495.8							
	OBS	00125	10.85	35.17	26.95		1495.7							
	STD	00150	11.47	35.35	26.98	00.183	1498.5							
	OBS	00150	11.48	35.35	26.98		1498.6							
	OBS	00175	11.63	35.41	27.00		1499.6							
	STD	00200	11.68	35.41	26.99	-00.240	1500.2							
	OBS	00201	11.69	35.41	26.98		1500.2							
	OBS	00226	11.79	35.42	26.97		1501.0							
	STD	00250	11.83	35.46	27.00	00.296	1501.6							
	OBS	00251	11.83	35.46	27.00		1501.6							
	OBS	00276	11.72	35.43	26.99		1501.6							
	OBS	00287	11.33	35.36	27.01		1500.3							
	OBS	00297	11.36	35.41	27.05		1500.6							
	OBS	00298	11.60	35.49	27.06		1501.6							
	STD	00300	11.62	35.49	27.06	00.352	1501.7							
	OBS	00300	11.63	35.49	27.06		1501.7							
	OBS	00346	10.46	35.34	27.16		1498.2							
	OBS	00352	10.25	35.29	27.15		1497.4							
	OBS	00354	10.22	35.29	27.16		1497.4							
	OBS	00367	09.47	35.23	27.24		1494.8							
	STD	00400	08.87	35.15	27.28	00.450	1493.0							
	OBS	00403	08.84	35.15	27.28		1492.9							
	OBS	00407	08.81	35.13	27.29		1492.9							
	OBS	00409	08.80	35.13	27.27		1492.8							
	OBS	00411	08.71	35.12	27.28		1492.5							
	OBS	00441	08.14	35.10	27.35		1490.8							
	OBS	00451	07.85	35.08	27.38		1489.9							
	STD	00500	07.22	35.08	27.47	00.530	1488.2							
	OBS	00500	07.21	35.08	27.47		1488.2							
	OBS	00550	06.65	35.07	27.54		1486.8							
	OBS	00578	05.92	34.97	27.56		1484.2							
	OBS	00584	05.63	34.92	27.56		1483.1							
	STD	00600	05.50	34.94	27.59	00.594	1482.8							
	OBS	00601	05.45	34.94	27.59		1482.8							
	OBS	00637	05.70	35.01	27.62		1484.4							
	OBS	00647	05.05	34.90	27.61		1481.8							
	OBS	00652	04.92	34.92	27.64		1481.3							
	OBS	00660	04.84	34.86	27.60 •		1481.1							
	OBS	00673	04.23	34.81	27.63		1478.7							
	OBS	00683	04.21	34.81	27.63		1476.8							
	OBS	00692	04.41	34.86	27.65		1479.8							
	STD	00700	04.67	34.90	27.65	00.650	1481.0							
	OBS	00702	04.74	34.91	27.66		1481.4							
	OBS	00751	04.78	34.96	27.69		1482.5							
	STD	00800	04.79	34.97	27.70	00.701	1483.3							
	OBS	00801	04.79	34.97	27.70		1483.3							
	OBS	00850	04.61	34.98	27.73		1483.4							
	STD	00900	04.41	34.95	27.72	00.750	1483.4							
	OBS	00902	04.40	34.95	27.72		1483.4							
	OBS	00951	04.26	34.95	27.74		1483.6							
	STD	01000	04.25	34.95	27.74	00.797	1484.4							
	OBS	01003	04.25	34.95	27.74		1484.4							
	OBS	01020	04.12	34.91	27.72		1484.1							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

KEF10 31 8454	YEAR 1975	BCTOP 03109	AIR TEMP 06.1	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1306
CONSEC 0003	MONTH 04	SHIP EV	WET BULB 06.1	12 2 2	WIND-SPD 18	TRACE DIR 0	5 SQUARE 2
LAT 41 45 N	DAY 05	DATA USE 1	BAROMETR 1008.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 08
LONG 048 47 W	HOUR 00.1	AREA 05	CLCUD 7/A	CL/TR	WEATHER X4	OR EG 011 692	1 SQUARE 18

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	00.97	32.63	26.17	00.000	1450.4							
00.1	OBS	00000	00.97	32.63	26.17		1450.4							
	OBS	00009	01.07	32.92	26.35		1451.4							
	STD	00010	00.79	32.93	26.42	00.017	1450.2							
	OBS	00013	00.25	33.05	26.54		1447.5							
	OBS	00017	02.40	33.33	26.63		1458.0							
	STD	00020	02.11	33.35	26.67	00.032	1456.8							
	OBS	00020	02.05	33.36	26.68		1456.6							
	OBS	00028	02.23	33.53	26.80		1457.7							
	STD	00030	02.38	33.54	26.79	00.046	1458.4							
	OBS	00032	02.61	33.55	26.78		1459.5							
	OBS	00040	03.12	33.61	26.79		1461.5							
	STD	00050	03.32	33.65	26.80	00.071	1463.0							
	OBS	00051	03.33	33.65	26.80		1463.0							
	STD	00075	02.79	33.67	26.86	00.102	1461.1							
	OBS	00076	02.71	33.67	26.87		1460.8							
	OBS	00078	02.56	33.72	26.92		1460.2							
	OBS	00085	02.52	33.76	26.96		1460.3							
	OBS	00085	02.60	33.80	26.99		1460.7							
	OBS	00093	02.39	33.81	27.01		1459.9							
	OBS	00095	02.43	33.88	27.05		1461.0							
	STD	00100	02.92	33.96	27.08	00.125	1462.5							
	OBS	00100	02.96	33.97	27.09		1462.7							
	OBS	00118	03.18	34.04	27.13		1463.9							
	OBS	00119	02.47	34.00	27.16		1460.5							
	OBS	00121	02.12	33.96	27.15		1459.4							
	STD	00125	02.32	34.01	27.20	00.153	1459.1							
	OBS	00125	02.00	34.03	27.22		1459.0							
	OBS	00129	02.85	34.17	27.26		1463.0							
	OBS	00135	03.02	34.19	27.26		1463.8							
	OBS	00144	02.60	34.17	27.28		1462.1							
	OBS	00148	02.86	34.23	27.31		1463.4							
	STD	00150	02.89	34.23	27.31	00.173	1463.6							
	OBS	00152	02.92	34.24	27.31		1463.7							
	OBS	00163	02.86	34.26	27.33		1463.7							
	OBS	00167	02.65	34.23	27.32		1462.8							
	OBS	00171	01.44	34.12	27.33		1457.4							
	OBS	00173	01.09	34.12	27.35		1455.5							
	OBS	00177	01.01	34.13	27.37		1455.6							
	OBS	00194	01.42	34.23	27.42		1457.8							
	OBS	00199	01.51	34.31	27.48		1458.4							
	STD	00200	01.52	34.31	27.48	00.205	1458.5							
	OBS	00213	02.57	34.41	27.47		1463.5							
	OBS	00218	02.86	34.46	27.45		1464.9							
	OBS	00224	03.29	34.48	27.47		1466.8							
	OBS	00226	03.29	34.48	27.45		1466.8							
	OBS	00230	03.09	34.43	27.44		1466.0							
	OBS	00236	03.25	34.45	27.48		1466.9							
	STD	00250	02.18	34.37	27.48	00.240	1462.3							
	OBS	00253	02.39	34.37	27.48		1462.0							
	OBS	00268	02.47	34.47	27.53		1464.0							
	OBS	00277	02.95	34.54	27.54		1466.3							
	OBS	00285	02.65	34.51	27.55		1465.1							
	OBS	00293	03.52	34.66	27.59		1469.2							
	STD	00300	03.60	34.67	27.59	00.269	1469.7							
	OBS	00300	03.61	34.67	27.59		1469.7							
	OBS	00317	03.77	34.71	27.60		1470.7							
	OBS	00321	04.13	34.77	27.61		1472.4							
	OBS	00325	04.18	34.76	27.60		1472.6							
	OBS	00335	04.54	34.83	27.61		1474.4							
	OBS	00338	04.56	34.82	27.60		1474.5							
	OBS	00348	04.06	34.76	27.61		1472.5							
	OBS	00352	04.06	34.76	27.61		1472.6							
	OBS	00361	03.52	34.68	27.60		1470.4							
	OBS	00386	03.52	34.72	27.63		1470.8							
	OBS	00395	04.09	34.80	27.64		1473.5							
	STD	00400	04.07	34.79	27.63	00.321	1473.4							
	OBS	00401	04.06	34.78	27.63		1473.4							
	OBS	00453	04.18	34.85	27.67		1474.9							
	OBS	00489	04.43	34.87	27.66		1476.5							
	STD	00500	04.17	34.86	27.68	00.370	1475.6							
	OBS	00500	04.16	34.86	27.68		1475.6							
	OBS	00550	04.14	34.88	27.70		1476.4							
	STD	00600	04.51	34.96	27.72	00.417	1478.8							
	OBS	00601	04.51	34.96	27.72		1478.9							
	OBS	00651	04.38	34.95	27.73		1479.1							
	STD	00700	04.29	34.95	27.74	00.461	1479.6							
	OBS	00700	04.29	34.95	27.74		1479.6							
	OBS	00750	04.20	34.95	27.75		1480.0							
	STD	00800	04.27	34.97	27.75	00.505	1481.2							
	OBS	00801	04.27	34.97	27.76		1481.2							
	OBS	00850	04.09	34.94	27.75		1481.2							
	STD	00900	04.03	34.95	27.76	00.548	1481.8							
	OBS	00900	04.03	34.95	27.76		1481.8							
	OBS	00953	03.95	34.93	27.76		1482.3							
	STD	01000	03.92	34.94	27.77	00.591	1483.0							
	OBS	01001	03.92	34.94	27.77		1483.0							
	OBS	01031	03.89	34.93	27.76		1483.4							

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TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

KEFIO 31 8454	YEAR 1975	BOTOP 03126	AIR TEMP 08.2	DIR HGT PER	WIND-DIR 21	INST STC RECORDER	TEN SO 1506
CONSEC 0004	MONTH 04	SHIP EV	WET BULB 07.2	SS X X	WIND-SPO 05	TRACE DIR D	5 SQUARE 2
LAT 42 06.5N	DAY 09	DATA USE 1	BARCHETA 1006.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 048 50 W	HOUR 02.9	AREA 05	CLOUD 7/6	CL/TR	WEATHER X4	ORIG 011 693	1 SQUARE 28

CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.81	33.51	26.64	00.000	1464.0							
02.9	OBS	00000	03.81	33.51	26.64		1464.0							
	STD	00010	03.82	33.54	26.66	00.014	1464.3							
	OBS	00011	03.82	33.54	26.67		1464.3							
	STD	00020	03.51	53.56	26.71	00.028	1463.1							
	OBS	00020	03.49	33.56	26.71		1463.1							
	OBS	00024	03.46	33.55	26.71		1463.0							
	STD	00030	02.66	33.52	26.74	00.041	1460.5							
	OBS	00030	02.81	33.52	26.74		1460.3							
	OBS	00034	02.46	33.48	26.74		1456.6							
	OBS	00047	01.92	53.65	26.92		1456.6							
	OBS	00049	02.14	33.66	26.91		1457.5							
	STD	00050	02.31	33.67	26.51	00.066	1458.6							
	OBS	00051	02.67	33.70	26.90		1460.3							
	OBS	00055	02.82	33.72	26.90		1461.0							
	OBS	00055	01.59	33.64	26.94		1455.6							
	OBS	00062	00.83	33.61	26.96		1452.2							
	OBS	00066	01.67	33.75	27.00		1457.1							
	OBS	00068	02.03	33.62	27.05		1457.9							
	OBS	00072	01.85	33.76	27.03		1457.1							
	STD	00075	00.97	33.74	27.06	00.093	1453.2							
	OBS	00076	00.78	33.73	27.06		1452.3							
	OBS	00078	00.69	33.71	27.05		1451.9							
	OBS	00081	01.23	33.86	27.14		1454.6							
	OBS	00093	01.32	33.92	27.18		1455.3							
	OBS	00099	01.42	33.93	27.18		1455.9							
	STD	00100	01.41	33.93	27.18	00.117	1455.8							
	OBS	00100	01.41	33.93	27.18		1455.8							
	OBS	00114	02.07	34.09	27.26		1455.2							
	OBS	00115	01.66	34.11	27.29		1458.4							
	OBS	00123	02.14	34.12	27.28		1455.7							
	STD	00125	01.94	34.10	27.27	00.138	1458.8							
	OBS	00125	01.88	34.09	27.27		1458.6							
	OBS	00129	01.96	34.14	27.31		1459.0							
	OBS	00135	03.22	34.34	27.36		1464.9							
	STD	00150	03.30	34.33	27.35	00.157	1465.4							
	OBS	00150	03.30	34.33	27.34		1465.5							
	OBS	00178	03.34	34.46	27.44		1466.3							
	STD	00200	03.35	34.45	27.47	00.192	1466.7							
	OBS	00203	03.36	34.50	27.47		1466.8							
	OBS	00224	03.55	34.56	27.50		1468.1							
	STD	00250	03.72	34.64	27.55	00.222	1469.3							
	OBS	00251	03.73	34.64	27.55		1469.4							
	OBS	00276	03.77	34.66	27.56		1470.0							
	STD	00300	03.77	34.69	27.58	00.250	1470.4							
	OBS	00300	03.77	34.69	27.59		1470.4							
	OBS	00350	03.85	34.75	27.62		1471.4							
	OBS	00363	03.86	34.77	27.64		1472.0							
	OBS	00369	04.15	34.82	27.65		1473.3							
	STD	00400	04.07	34.83	27.66	00.301	1473.5							
	OBS	00401	04.07	34.83	27.67		1473.5							
	OBS	00451	03.97	34.84	27.68		1473.9							
	STD	00500	03.58	34.86	27.70	00.348	1474.8							
	OBS	00500	03.98	34.86	27.70		1474.6							
	OBS	00555	04.02	34.90	27.73		1476.0							
	STD	00600	04.06	34.90	27.72	00.352	1476.5							
	OBS	00603	04.06	34.90	27.72		1476.5							
	OBS	00652	04.02	34.92	27.74		1477.6							
	STD	00700	04.04	34.93	27.75	00.436	1478.5							
	OBS	00702	04.04	34.93	27.75		1478.5							
	OBS	00750	04.00	34.94	27.76		1479.2							
	STD	00800	03.95	34.95	27.77	00.476	1479.8							
	OBS	00803	03.95	34.95	27.77		1479.9							
	OBS	00850	03.91	34.94	27.77		1480.5							
	STD	00900	03.84	34.93	27.77	00.519	1481.0							
	OBS	00900	03.84	34.93	27.77		1481.0							
	OBS	00953	03.79	34.93	27.77		1481.7							
	STD	01000	03.73	34.93	27.78	00.561	1482.2							
	OBS	01001	03.73	34.93	27.78		1482.2							
	OBS	01029	03.72	34.93	27.78		1482.6							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FSFIO	31	8454		YEAR	1975		BOTOP	02743		AIR TEMP	06.5		DIR HGT PER		WIND-DIR 14		INST STO RECORDER		TEN SQ 1306
CONSEC		0005		MONTH	04		SHIP	5V		WET BULB	06.2		99 X X		WIND-SPO 12		TRACE DIR	0	5 SQUARE 2
LAT	42	27.1N		DAY	09		DATA USE	1		BAROMETR	1004.0		SEA		WIND-FOR		DURATION	00.4	2 SQUARE 28
LONG	049	04.4W		HOUR	05.4		AREA	05		CLOUD T/A			CL/TR		WEATHER X4		ORIG C11 694		1 SQUARE 25

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.10	33.35	26.70	00.000	1456.5							
05.4	OBS	00001	02.10	33.39	26.70		1456.5							
	OBS	00005	02.05	33.37	26.69		1456.3							
	OBS	00009	01.64	33.35	26.70		1454.6							
	STD	00010	01.63	33.35	26.70	00.014	1454.5							
	OBS	00011	01.60	33.38	26.73		1454.5							
	OBS	00013	01.88	33.49	26.79		1455.9							
	OBS	00017	02.40	33.59	26.83		1458.4							
	OBS	00019	02.18	33.57	26.84		1457.4							
	STD	00020	01.96	33.56	26.84	00.026	1456.4							
	OBS	00022	01.41	33.52	26.85		1454.0							
	OBS	00024	01.10	33.49	26.85		1452.6							
	STD	00030	01.05	33.53	26.88	00.038	1452.5							
	OBS	00030	01.05	33.53	26.88		1452.5							
	OBS	00034	00.33	33.50	26.90		1449.3							
	OBS	00047	- 0.34	33.61	27.02		1446.6							
	STD	00050	- 0.31	33.61	27.02	00.061	1446.7							
	OBS	00051	- 0.30	33.62	27.03		1446.8							
	OBS	00053	- 0.28	33.64	27.04		1447.0							
	OBS	00055	- 0.08	33.75	27.12		1448.1							
	OBS	00060	02.28	33.92	27.11		1459.0							
	OBS	00074	02.30	33.95	27.13		1459.4							
	STD	00075	02.23	33.93	27.12	00.086	1459.0							
	OBS	00076	02.08	33.92	27.12		1458.4							
	OBS	00078	01.70	33.93	27.16		1456.8							
	OBS	00081	01.66	33.93	27.16		1456.6							
	OBS	00085	01.38	33.93	27.18		1455.5							
	OBS	00095	01.82	34.07	27.26		1457.8							
	STD	00100	01.92	34.09	27.27	00.108	1458.3							
	OBS	00100	01.94	34.09	27.27		1458.4							
	STD	00125	02.63	34.22	27.32	00.128	1462.0							
	OBS	00125	02.65	34.23	27.32		1462.1							
	OBS	00129	02.78	34.30	27.37		1462.8							
	OBS	00133	03.18	34.37	27.39		1464.7							
	OBS	00140	03.41	34.40	27.39		1465.9							
	OBS	00142	03.73	34.47	27.41		1467.4							
	STD	00150	03.88	34.49	27.41	00.146	1468.1							
	OBS	00150	03.89	34.49	27.41		1468.2							
	OBS	00175	04.17	34.60	27.47		1469.9							
	OBS	00198	04.15	34.62	27.49		1470.2							
	STD	00200	04.03	34.60	27.49	00.179	1469.7							
	OBS	00203	03.68	34.56	27.49		1468.3							
	OBS	00209	02.83	34.46	27.49		1464.6							
	OBS	00218	02.99	34.52	27.52		1465.5							
	OBS	00228	02.78	34.49	27.52		1464.7							
	OBS	00245	02.69	34.54	27.57		1464.8							
	STD	00250	02.74	34.55	27.57	00.208	1465.0							
	OBS	00253	02.96	34.59	27.58		1466.0							
	OBS	00255	03.03	34.58	27.57		1466.4							
	OBS	00268	03.73	34.72	27.61		1469.8							
	OBS	00277	03.97	34.76	27.62		1471.0							
	OBS	00281	04.71	34.86	27.62		1474.3							
	OBS	00293	04.72	34.85	27.61		1474.5							
	STD	00300	04.18	34.77	27.60	00.234	1472.3							
	OBS	00300	04.13	34.76	27.60		1472.0							
	OBS	00350	04.41	34.89	27.68		1474.2							
	STD	00400	04.49	34.92	27.69	00.283	1475.4							
	OBS	00401	04.49	34.92	27.69		1475.4							
	OBS	00453	04.58	34.96	27.71		1476.7							
	STD	00500	04.24	34.95	27.74	00.327	1476.0							
	OBS	00502	04.23	34.95	27.74		1476.0							
	OBS	00550	04.31	34.95	27.75		1477.2							
	STD	00600	04.19	34.95	27.75	00.369	1477.5							
	OBS	00605	04.18	34.95	27.75		1477.5							
	OBS	00652	04.06	34.95	27.76		1477.6							
	STD	00700	03.98	34.94	27.76	00.410	1478.3							
	OBS	00702	03.98	34.94	27.76		1478.3							
	OBS	00750	03.98	34.95	27.77		1479.1							
	STD	00800	03.97	34.95	27.77	00.452	1479.5							
	OBS	00801	03.97	34.95	27.77		1479.9							
	OBS	00850	03.95	34.95	27.77		1480.6							
	STD	00900	03.91	34.95	27.78	00.493	1481.3							
	OBS	00900	03.91	34.95	27.78		1481.3							
	OBS	00951	03.86	34.94	27.77		1481.9							
	STD	01000	03.82	34.94	27.78	00.535	1482.6							
	OBS	01001	03.82	34.94	27.76		1482.6							
	OBS	01027	03.79	34.94	27.78		1482.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8434	YEAR 1973	BOTOP 02534	AIR TEMP 04.7	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SO 3306
CONSEC 0006	MONTH 04	SHIP EV	WET BULB 04.7	99 A A	WIND-SPD 37	TRACE DIR 0	S SQUARE 2
LAT 42 36.7N	DAY 09	DATA USE 1	BAROMETR 1002.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 049 08 W	HOUR 07.4	AREA 05	CLOUD T/A	CL/TP	WEATHER A8	ORIG 013 A95	3 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.15	33.16	26.58	00.000	1452.0						
07.4	OBS	00001	01.15	33.16	26.58		1452.0						
	STD	00010	01.20	33.21	26.62	00.014	1452.4						
	OBS	00011	01.21	33.22	26.62		1452.5						
	STD	00020	01.12	33.32	26.71	00.026	1452.4						
	OBS	00020	01.10	33.33	26.72		1452.3						
	STD	00030	00.66	33.32	26.89	00.041	1451.6						
	OBS	00030	00.85	33.53	26.90		1451.6						
	STD	00050	01.19	33.78	27.08	00.063	1453.8						
	OBS	00051	01.21	33.80	27.09		1454.0						
	STD	00075	01.41	33.98	27.22	00.086	1455.5						
	OBS	00076	01.42	33.99	27.23		1455.6						
	STD	00100	01.68	34.25	27.42	00.105	1457.5						
	OBS	00100	01.69	34.26	27.42		1457.5						
	STD	00125	02.18	34.40	27.50	00.121	1460.3						
	OBS	00125	02.19	34.40	27.50		1460.3						
	STD	00150	02.07	34.42	27.53	00.136	1460.3						
	OBS	00152	02.06	34.44	27.54		1460.3						
	OBS	00156	02.28	34.47	27.35		1461.3						
	OBS	00167	02.12	34.46	27.55		1460.8						
	OBS	00175	02.86	34.56	27.37		1464.3						
	OBS	00178	03.35	34.65	27.59		1466.6						
	STD	00200	03.74	34.71	27.60	00.163	1468.7						
	OBS	00201	03.77	34.71	27.60		1468.8						
	OBS	00228	04.04	34.77	27.62		1470.5						
	STD	00250	03.76	34.77	27.65	00.188	1469.7						
	OBS	00251	03.75	34.77	27.65		1469.6						
	OBS	00276	03.64	34.78	27.67		1469.6						
	STD	00300	03.74	34.82	27.69	00.211	1470.5						
	OBS	00302	03.75	34.82	27.69		1470.5						
	OBS	00350	03.72	34.84	27.71		1471.2						
	OBS	00367	03.73	34.84	27.71		1471.6						
	STD	00400	03.95	34.86	27.72	00.254	1473.1						
	OBS	00401	03.95	34.86	27.73		1473.1						
	OBS	00454	03.65	34.86	27.73		1472.7						
	STD	00500	03.55	34.87	27.75	00.295	1473.0						
	OBS	00500	03.55	34.87	27.75		1473.0						
	OBS	00550	03.66	34.89	27.76		1474.3						
	STD	00600	03.87	34.92	27.76	00.335	1476.1						
	OBS	00603	03.88	34.92	27.76		1476.2						
	OBS	00652	03.53	34.94	27.77		1477.3						
	STD	00700	03.91	34.94	27.77	00.375	1478.0						
	OBS	00700	03.91	34.94	27.77		1478.0						
	OBS	00751	03.85	34.94	27.77		1478.7						
	STD	00800	03.82	34.94	27.78	00.416	1479.2						
	OBS	00801	03.82	34.94	27.78		1479.3						
	OBS	00852	03.79	34.93	27.77		1480.0						
	STD	00900	03.79	34.94	27.78	00.437	1480.8						
	OBS	00902	03.79	34.94	27.78		1480.8						
	OBS	00953	03.77	34.93	27.78		1481.6						
	STD	01000	03.68	34.92	27.78	00.498	1482.0						
	OBS	01001	03.68	34.92	27.78		1482.0						
	OBS	01024	03.63	34.91	27.77		1482.1						

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

STFID 31 8454	YEAR 1975	BOTOP 02286	AIR TEMP 07.0	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SO 1306
CONSEC 0007	MONTH 04	SHIP EV	WET BULB 07.0	45 2 A	WIND-SPD 11	TRACE DIR C	5 SQUARE 2
LAT 42 45.2N	DAY 09	DATA USE 1	BARCMETR 1001.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 049 11.2W	HOUR 09.2	AREA 05	CLCUD 7/A	CL/TR	WEATHER A6	ORIG 011 656	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	01.70	33.33	26.68	00.000	1454.6							
09.2	OBS	00001	01.70	33.33	26.68		1454.7							
	STD	00010	01.64	33.35	26.70	00.014	1454.6							
	OBS	00011	01.62	33.35	26.70		1454.5							
	STD	00020	01.45	33.37	26.73	00.027	1453.9							
	OBS	00020	01.44	33.37	26.73		1453.9							
	STD	00030	01.41	33.46	26.80	00.040	1454.0							
	OBS	00030	01.41	33.46	26.80		1454.0							
	OBS	00034	01.41	33.46	26.80		1454.1							
	OBS	00040	01.28	33.48	26.83		1453.6							
	STD	00050	00.92	33.53	26.93	00.064	1452.3							
	OBS	00053	00.87	33.66	27.00		1452.3							
	OBS	00057	00.85	33.79	27.10		1452.4							
	OBS	00074	01.21	34.05	27.29		1454.7							
	STD	00075	01.33	34.08	27.31	00.068	1455.3							
	OBS	00076	01.48	34.12	27.33		1456.0							
	STD	00100	02.24	34.33	27.44	00.106	1460.1							
	OBS	00100	02.26	34.34	27.44		1460.2							
	STD	00125	02.51	34.46	27.52	00.121	1461.8							
	OBS	00125	02.51	34.46	27.52		1461.8							
	OBS	00133	02.49	34.46	27.52		1461.9							
	STD	00150	02.10	34.45	27.55	00.135	1460.4							
	OBS	00154	02.05	34.45	27.55		1460.3							
	OBS	00175	02.12	34.45	27.58		1461.0							
	STD	00200	02.13	34.52	27.59	00.162	1461.5							
	OBS	00201	02.16	34.52	27.60		1461.6							
	OBS	00226	02.49	34.59	27.62		1463.6							
	STD	00250	02.93	34.67	27.65	00.187	1466.0							
	OBS	00253	02.99	34.68	27.65		1466.3							
	OBS	00270	03.30	34.73	27.66		1468.0							
	OBS	00276	03.49	34.77	27.66		1468.9							
	STD	00300	03.74	34.84	27.71	00.209	1470.3							
	OBS	00300	03.75	34.84	27.71		1470.5							
	OBS	00352	04.31	34.92	27.71		1473.8							
	STD	00400	04.43	34.95	27.72	00.252	1475.2							
	OBS	00401	04.43	34.95	27.72		1475.2							
	OBS	00453	04.32	34.96	27.74		1475.6							
	STD	00500	04.27	34.96	27.75	00.294	1476.2							
	OBS	00500	04.27	34.96	27.75		1476.2							
	OBS	00552	04.16	34.96	27.76		1476.6							
	STD	00600	04.20	34.97	27.76	00.335	1477.5							
	OBS	00601	04.20	34.97	27.76		1477.6							
	OBS	00651	04.11	34.96	27.76		1478.0							
	STD	C0700	04.06	34.96	27.77	00.375	1478.6							
	OBS	00702	04.06	34.96	27.77		1478.7							
	OBS	00750	03.97	34.95	27.77		1479.1							
	STD	00800	03.85	34.95	27.78	00.416	1479.6							
	OBS	00801	03.89	34.95	27.78		1479.6							
	OBS	00850	03.84	34.94	27.78		1480.2							
	STD	00900	03.79	34.93	27.77	00.457	1480.8							
	OBS	00900	03.79	34.93	27.77		1480.8							
	OBS	00953	03.75	34.93	27.78		1481.5							
	STD	01000	03.75	34.93	27.78	00.499	1482.3							
	OBS	01001	03.75	34.93	27.78		1482.3							
	OBS	01020	03.73	34.93	27.78		1482.5							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 01737	AIR TEMP 05.5	DIR HGT PER	WIND-DIR 13	INST STO RECORDER	TEM SO 1306
CONSEC 0008	MONTH 04	SNIP EV	WET BULB 05.3	36 2 3	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2
LAT 42 54.8N	DAY 05	DATA USE 1	BARCMETR 1000.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 049 15.5W	HOUR 11.2	AREA 05	CLCUD 7/A	CL/TP	WEATHER A6	ORIG 011 657	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	02.59	33.33	26.61	00.000	1458.6							
11.2	OBS	00001	02.59	33.33	26.61		1458.6							
	OBS	00003	02.59	33.33	26.61		1458.6							
	STD	00010	02.55	33.37	26.64	00.014	1458.8							
	OBS	00011	02.59	33.38	26.65		1458.8							
	STD	00020	02.56	33.43	26.69	00.028	1458.9							
	OBS	00020	02.50	33.43	26.70		1458.6							
	OBS	00026	01.83	33.44	26.76		1455.8							
	STD	00030	01.74	33.48	26.80	00.041	1455.5							
	OBS	00030	01.73	33.49	26.81		1455.5							
	OBS	00049	01.26	33.74	27.04		1454.1							
	STD	00050	01.26	33.77	27.06	00.064	1454.1							
	OBS	00051	01.27	33.84	27.12		1454.3							
	STD	00075	01.65	34.00	27.22	00.087	1456.6							
	OBS	00076	01.69	34.04	27.25		1456.8							
	OBS	00078	01.76	34.11	27.30		1457.3							
	OBS	00079	02.08	34.18	27.33		1458.8							
	OBS	00097	02.16	34.25	27.38		1459.5							
	OBS	00069	02.51	34.34	27.42		1461.2							
	STD	00100	02.54	34.35	27.43	00.106	1461.4							
	OBS	00102	02.61	34.36	27.43		1461.7							
	STD	00125	02.75	34.41	27.46	00.123	1462.8							
	OBS	00127	02.77	34.42	27.46		1462.9							
	OBS	00142	02.26	34.38	27.43		1460.9							
	STD	00150	02.21	34.39	27.49	00.138	1460.8							
	OBS	00150	02.21	34.39	27.45		1460.8							
	OBS	00175	02.42	34.49	27.55		1462.3							
	OBS	00178	02.67	34.51	27.55		1463.5							
	OBS	00154	02.71	34.52	27.55		1463.9							
	OBS	00198	02.30	34.50	27.57		1462.2							
	STD	C0200	02.28	34.50	27.57	00.167	1462.1							
	OBS	00205	02.26	34.51	27.58		1462.1							
	OBS	00220	02.62	34.59	27.61		1464.0							
	OES	00224	02.92	34.64	27.63		1465.5							
	OBS	00228	03.03	34.66	27.63		1466.0							
	OBS	00243	03.14	34.67	27.63		1466.8							
	STD	00250	03.36	34.71	27.64	00.192	1467.8							
	OBS	00253	03.44	34.72	27.64		1468.3							
	OBS	00268	03.62	34.76	27.66		1469.3							
	OBS	00274	03.88	34.79	27.65		1470.6							
	OBS	00277	03.91	34.83	27.68		1470.6							
	STD	00300	04.04	34.84	27.68	00.216	1471.7							
	OBS	00300	04.04	34.84	27.68		1471.8							
	OBS	00350	04.15	34.90	27.71		1473.1							
	STD	00400	04.09	34.91	27.73	00.260	1473.7							
	OBS	00403	04.09	34.91	27.73		1473.8							
	OBS	00451	04.04	34.92	27.74		1474.4							
	STD	00500	04.09	34.93	27.74	00.301	1475.4							
	OBS	00502	04.09	34.93	27.74		1475.4							
	OBS	00550	04.11	34.94	27.75		1476.3							
	STD	00600	04.15	34.95	27.75	00.343	1477.3							
	OBS	00601	04.15	34.95	27.75		1477.3							
	OBS	00651	04.09	34.95	27.76		1477.9							
	STD	00700	03.92	34.93	27.76	00.384	1478.0							
	OBS	00702	03.91	34.93	27.76		1478.0							
	OBS	00750	03.75	34.91	27.76		1478.1							
	STD	00800	03.59	34.90	27.77	00.425	1478.2							
	OBS	00801	03.59	34.90	27.77		1478.2							
	OBS	00850	03.75	34.93	27.78		1479.8							
	STD	00900	03.73	34.93	27.78	00.466	1480.5							
	OBS	C0900	03.73	34.93	27.78		1480.5							
	OBS	00953	03.66	34.92	27.76		1481.1							
	STD	01000	03.58	34.91	27.78	00.507	1481.5							
	OBS	01001	03.57	34.91	27.78		1481.5							
	OBS	01024	03.45	34.89	27.78		1481.3							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N C O C   S T A T I O N   D A T A

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REFID  31  8454      YEAR 1975     BOTOP 00888    AIR TEMP  05.6    DIR HGT PER    WIND-DIR 13    INST STD RECORDER       TEN SQ 1306
CONSEC     0005      MONTH 04      SHIP EV        WET BULB  05.5     18   2   4    WIND-SPD 11    TRACE DIR       0       5 SQUARE  2
LAT    43 05 N       DAY    09     DATA USE  1    BAROMETR 0984.0    SEA             WIND-FOR      DURATION      00.5      2 SQUARE 28
LONG  049 18 W       HOUR 13.4     AREA     05    CLOUD T/A          CL/TR           WEATHER  A6   ORIG 011 698   11       1 SQUARE 36
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.98	33.71	26.79	00.000	1465.0							
13.4	OBS	00000	03.98	33.71	26.79		1465.0							
	STD	00010	04.05	33.76	26.82	00.013	1465.6							
	OBS	00011	04.05	33.76	26.82		1465.6							
	STD	00020	04.00	33.76	26.82	00.025	1465.5							
	OBS	00020	03.99	33.76	26.82		1465.5							
	STD	00030	03.82	33.79	26.86	00.037	1464.9							
	OBS	00030	03.81	33.79	26.87		1464.9							
	STD	00050	03.75	33.91	26.96	00.060	1465.2							
	OBS	00053	03.74	33.93	26.98		1465.2							
	STD	00075	04.00	34.11	27.10	00.086	1466.9							
	OBS	00076	04.05	34.13	27.11		1467.1							
	OBS	00078	04.14	34.17	27.13		1467.6							
	OBS	00079	04.48	34.23	27.15		1465.1							
	OBS	00095	04.79	34.28	27.15		1470.8							
	OBS	00097	04.43	34.27	27.18		1469.3							
	STD	00100	04.31	34.22	27.15 *	00.110	1468.7							
	OBS	00100	04.27	34.20	27.14		1468.6							
	OBS	00102	04.62	34.44	27.27		1471.2							
	OBS	00104	04.59	34.45	27.29		1472.0							
	OBS	00114	04.87	34.44	27.27		1471.6							
	OBS	00116	04.52	34.42	27.29		1470.2							
	OBS	00119	04.27	34.39	27.29		1469.1							
	OBS	00123	03.84	34.36	27.32		1467.4							
	STD	00125	03.70	34.35	27.32	00.131	1466.8							
	OBS	00125	03.64	34.35	27.33		1466.5							
	OBS	00129	03.43	34.36	27.36		1465.7							
	OBS	00131	02.99	34.30	27.35		1463.6							
	OBS	00137	02.69	34.31	27.38		1462.6							
	OBS	00140	02.27	34.30	27.41		1460.8							
	STD	00150	02.19	34.30	27.42	00.150	1460.6							
	OBS	00150	02.19	34.30	27.42		1460.6							
	OBS	00175	02.74	34.47	27.51		1463.6							
	OBS	00188	01.94	34.42	27.53		1460.3							
	STD	00200	01.97	34.45	27.55	00.180	1460.7							
	OBS	00201	01.98	34.45	27.55		1460.7							
	OBS	00228	02.15	34.50	27.58		1462.0							
	STD	00250	02.26	34.54	27.60	00.207	1462.9							
	OBS	00251	02.26	34.54	27.60		1462.9							
	OBS	00276	02.15	34.53	27.61		1462.8							
	OBS	00297	02.62	34.62	27.64		1465.3							
	STD	00300	02.65	34.63	27.64	00.232	1465.5							
	OBS	00302	02.68	34.63	27.64		1465.7							
	OBS	00350	03.11	34.70	27.66		1468.4							
	STD	00400	03.28	34.75	27.68	00.278	1470.0							
	OBS	00403	03.29	34.75	27.68		1470.2							
	OBS	00451	03.46	34.80	27.70		1471.7							
	STD	00500	03.46	34.81	27.71	00.323	1472.6							
	OBS	00500	03.46	34.81	27.71		1472.6							
	OBS	00550	03.52	34.82	27.71		1473.7							
	STD	00600	03.52	34.83	27.72	00.366	1474.5							
	OBS	00603	03.52	34.83	27.72		1474.6							
	OBS	00651	03.54	34.84	27.73		1475.4							
	STD	00700	03.52	34.85	27.74	00.410	1476.2							
	OBS	00700	03.52	34.85	27.74		1476.2							
	OBS	00751	03.52	34.86	27.75		1477.1							
	STD	00800	03.50	34.86	27.75	00.452	1477.8							
	OBS	00801	03.50	34.86	27.75		1477.8							
	OBS	00850	03.50	34.87	27.76		1478.6							
	OBS	00883	03.50	34.86	27.75		1479.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIC 31 8454	YEAR 1975	BOTOP 00466	AIR TEMP 03.5	OIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0010	MONTH 04	SHIP EV	WET BULB 03.5	14 2 3	WIND-SPD 05	TRACE DIR C	5 SQUARE 2
LAT 43 15.2N	DAY 05	DATA USE 1	BARCMETR 0998.4	SEA	WIND-FOR	CURATION 00.5	2 SQUARE 28
LONG 045 27.1W	HOUR 15.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DATE 011 859 10	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	00.08	32.83	26.37	00.000	1446.6							
15.8	OBS	00001	00.08	32.83	26.37		1446.7							
	STO	00010	- 0.22	32.87	26.42	00.016	1445.5							
	OBS	00011	- 0.28	32.88	26.43		1445.2							
	OBS	00015	- 0.47	32.84	26.41		1444.4							
	OBS	00019	- 1.09	32.92	26.49		1441.7							
	STO	00020	- 1.12	32.94	26.51	00.032	1441.5							
	OBS	00020	- 1.15	32.96	26.53		1441.5							
	STO	00030	- 1.12	33.06	26.61	00.047	1441.9							
	OBS	00030	- 1.12	33.07	26.62		1441.9							
	OBS	00032	- 1.26	33.10	26.64		1441.3							
	OBS	00047	- 1.02	33.29	26.79		1443.0							
	OBS	00049	- 0.03	33.39	26.83		1447.7							
	STO	00050	00.17	33.41	26.84	00.073	1448.7							
	OBS	00055	01.39	33.54	26.87		1454.5							
	OBS	00059	01.34	33.53	26.86		1454.3							
	OBS	00066	01.85	33.75	27.00		1457.2							
	OBS	00068	02.26	33.74	26.97 •		1458.8							
	STO	00075	02.72	33.85	27.01	00.102	1461.1							
	OBS	00076	02.91	33.85	27.00		1461.9							
	OBS	00078	03.32	33.84	26.95 •		1463.7							
	OBS	00081	03.53	33.68	26.96		1464.7							
	STO	00100	03.34	33.88	26.98	00.129	1464.2							
	OBS	00100	03.34	33.88	26.98		1464.2							
	OBS	00108	03.33	33.88	26.98		1464.3							
	OBS	00110	02.85	33.66	27.01		1462.2							
	OBS	00114	02.76	33.91	27.06		1462.0							
	OBS	00116	03.05	33.95	27.07		1463.3							
	STO	00125	03.48	34.07	27.12	00.154	1465.5							
	OBS	00125	03.51	34.08	27.13		1465.6							
	OBS	00131	00.75	33.77	27.09 •		1453.2							
	STO	00150	00.45	33.90	27.21	00.177	1452.3							
	OBS	00150	00.44	33.90	27.22		1452.3							
	OBS	00175	01.14	34.04	27.29		1456.0							
	OBS	00178	01.17	34.04	27.28		1456.2							
	OBS	00186	02.35	34.24	27.36		1461.8							
	STO	00200	02.87	34.32	27.38	00.217	1464.4							
	OBS	00201	02.89	34.33	27.38		1464.5							
	OBS	00226	01.92	34.28	27.42		1460.7							
	STO	00250	01.80	34.30	27.45	00.251	1460.5							
	OBS	00251	01.80	34.30	27.45		1460.6							
	OBS	00276	01.84	34.36	27.49		1461.2							
	STO	00300	02.09	34.45	27.54	00.282	1462.5							
	OBS	00300	02.10	34.45	27.55		1462.9							
	OBS	00350	02.42	34.58	27.61		1465.3							
	STO	00400	03.04	34.69	27.65	00.334	1468.9							
	OBS	00401	03.05	34.69	27.65		1469.0							
	OBS	00451	03.27	34.75	27.68		1470.9							
	OBS	00458	03.30	34.76	27.69		1471.1							

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REFID 31 8454	YEAR 1975	BOTOP 00201	AIR TEMP 04.0	OIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSEC 0011	MONTH 04	SHIP EV	WET BULB 03.9	20 3 7	WIND-SPD 11	TRACE DIR C	5 SQUARE 2
LAT 43 27.2N	DAY 05	DATA USE 1	BARCMETR 1003.7	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 045 26.7W	HOUR 17.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 700 12	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STO	00000	00.55	32.89	26.40	00.000	1448.9							
17.8	OBS	00005	00.55	32.89	26.40		1449.0							
	STO	00010	00.41	32.86	26.38	00.016	1448.4							
	OBS	00011	00.38	32.84	26.37		1448.1							
	OBS	00015	00.21	32.79	26.34 •		1447.4							
	STO	00020	- 0.35	32.82	26.39	00.033	1445.0							
	OBS	00020	- 0.42	32.83	26.40		1444.7							
	STO	00030	- 0.57	32.95	26.50	00.049	1444.3							
	OBS	00030	- 0.56	32.95	26.50		1444.3							
	STO	00050	- 0.79	32.96	26.51	00.080	1443.6							
	OBS	00051	- 0.82	32.96	26.52		1443.5							
	OBS	00072	- 1.44	33.10	26.65		1441.1							
	STO	00075	- 1.42	33.11	26.65	00.118	1441.3							
	OBS	00076	- 1.41	33.11	26.66		1441.4							
	OBS	00099	- 1.30	33.30	26.81		1442.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTDP 00080	AIR TEMP 02.9	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1306
CONSEC 0012	MONTH 04	SHIP EV	WET BULB 02.4	21 2 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 43 34.2N	DAY 05	DATA USE 1	BAROMETR 0954.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 049 26 W	HOUR 19.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 701 10	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	02.19	32.40	25.90	00.000	1455.5							
19.2	OBS	00001	02.19	32.40	25.90		1455.6							
	STD	00010	02.00	32.45	25.96	00.021	1454.9							
	OBS	00011	01.97	32.46	25.96		1454.8							
	OBS	00013	01.55	32.41	25.95		1452.5							
	OBS	00015	00.65	32.70	26.24		1449.3							
	STD	00020	00.52	32.87	26.39	00.039	1449.1							
	OBS	00020	00.33	32.91	26.43		1448.2							
	OBS	00022	- 0.25	32.99	26.52		1445.7							
	STD	00030	- 0.53	33.13	26.65	00.055	1444.7							
	OBS	C0030	- 0.55	33.14	26.65		1444.7							
	STD	00050	- 0.69	33.18	26.69	00.082	1444.4							
	OBS	00051	- 0.70	33.18	26.69		1444.4							
	OBS	00070	- 0.86	33.22	26.73		1444.0							

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REFID 31 8454	YEAR 1975	BOTDP 00053	AIR TEMP 02.9	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1306
CONSEC 0013	MONTH 04	SHIP EV	WET BULB 02.8	29 2 3	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2
LAT 43 43 N	DAY 09	DATA USE 1	BAROMETR 1000.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 049 36.5W	HOUR 20.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X3	ORIG 011 702 09	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.05	32.34	25.86	00.000	1454.8							
20.8	OBS	00001	02.05	32.34	25.86		1454.9							
	STD	00010	02.06	32.35	25.87	00.021	1455.1							
	OBS	00011	02.06	32.35	25.87		1455.1							
	OBS	00015	01.92	32.32	25.86		1454.5							
	STD	00020	00.50	32.72	26.27	00.041	1448.8							
	OBS	00020	00.32	32.76	26.32		1448.0							
	STD	00030	00.08	32.98	26.50	00.057	1447.3							
	OBS	00030	00.05	32.99	26.50		1447.2							
	OBS	C0040	- 0.10	33.02	26.54		1446.7							
	OBS	00045	- 0.10	33.03	26.54		1446.6							

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REFID 31 8454	YEAR 1975	BOTOP 00100	AIR TEMP 02.6	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1306
CONSEC 0014	MONTH 04	SHIP EV	WET BULB 02.4	26 2 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 45 42.8N	DAY 09	DATA USE 1	BAROMETR 1002.7	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 26
LONG 049 30 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 703	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.16	32.43	25.93	00.000	1455.5							
23.9	OBS	00001	02.16	32.43	25.93		1455.5							
	STD	00010	02.13	32.44	25.94	00.021	1455.5							
	OBS	00013	02.12	32.45	25.95		1455.5							
	STD	00020	01.48	32.58	26.09	00.041	1453.0							
	OBS	00020	01.36	32.62	26.13		1452.6							
	OBS	00024	00.92	32.66	26.35		1450.9							
	STD	00030	00.48	32.95	26.45	00.058	1449.1							
	OBS	00030	00.43	32.96	26.46		1448.9							
	OBS	00036	- 0.12	33.06	26.57		1446.6							
	STD	C0050	- 0.76	33.13	26.65	00.088	1444.0							
	OBS	00051	- 0.80	33.13	26.65		1443.6							
	OBS	00055	- 0.96	33.15	26.67		1443.2							
	STD	00075	- 0.90	33.18	26.70	00.123	1443.6							
	OBS	00076	- 0.90	33.18	26.70		1443.9							
	OBS	00095	- 0.89	33.19	26.70		1444.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

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SEFIO  31  8454     YEAR 1975    BOTOP 00131   AIR TEMP  05.8    DIR HGT PER   WIND-OIR 25   INST STO RECORDER      TEN SO 1306
CONSEC    0013      MONTH 04     SHIP EV       WET BULB  04.3    00   X   X    WIND-SPD 10   TRACE DIR       O      S SQUARE  2
LAT   43 39 N       DAY  10      DATA USE  1   BARCMETR 1003.1   SE4           WIND-FOR      DURATION      00.1     2 SQUARE 28
LONG  049 28.5e     HOUR 01.3    AREA     05   CLOUD 7/4         CL/TR         WEATHER  XO   CAIG 011 704           1 SQUARE 35
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CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PM
	STO	00000	00.89	32.76	26.28	00.000	1450.2							
01.3	085	00003	00.89	32.76	26.28		1450.3							
	085	00009	00.71	32.78	26.30		1449.6							
	STO	00010	00.50	32.78	26.32	00.017	1448.7							
	085	00011	00.07	32.82	26.37		1446.8							
	085	00013	-0.14	32.92	26.46		1446.0							
	STO	00020	-0.40	32.92	26.47	00.034	1444.9							
	085	00020	-0.44	32.92	26.47		1444.7							
	085	00028	-0.87	32.99	26.54		1442.5							
	STO	00030	-0.90	32.98	26.54	00.049	1442.8							
	085	00030	-0.91	32.98	26.54		1442.8							
	085	00040	-1.14	33.04	26.59		1441.9							
	STO	00050	-1.17	33.07	26.61	00.078	1442.0							
	085	00051	-1.18	33.07	26.62		1442.0							
	STO	00075	-1.31	33.14	26.67	00.114	1441.9							
	085	00076	-1.31	33.14	26.66		1441.5							
	STO	00100	-1.32	33.21	26.74	00.147	1442.3							
	085	00100	-1.33	33.22	26.74		1442.3							
	085	00106	-1.40	33.27	26.75		1442.1							
	085	00121	-1.35	33.29	26.80		1442.5							

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SEFIO  31  8454     YEAR 1975    BOTOP 00380   AIR TEMP         OIR HGT PER   WIND-OIR 29   INST STC RECORDER      TEN SO 1306
CONSEC    0018      MONTH 04     SHIP EV       WET BULB         00   X   X    WIND-SPD 10   TRACE OIR       O      S SQUARE  2
LAT   43 32.2N      DAY  10      DATA USE  1   BARCMETR 1002.0  SE4           WIND-FOR      DURATION      00.2     2 SQUARE 28
LONG  049 16 W      HOUR 04.2    AREA     03   CLOUD 7/4        CL/TR         WEATHER  00   ORIG 011 705           1 SQUARE 39
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CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PM
	STO	00000	-0.13	32.86	26.41	00.000	1445.7							
04.2	085	00001	-0.13	32.86	26.41		1445.8							
	STO	00010	-0.10	32.87	26.41	00.016	1446.0							
	085	00011	-0.10	32.87	26.42		1446.1							
	STO	00020	-0.12	32.88	26.42	00.032	1446.1							
	085	00020	-0.14	32.88	26.43		1446.0							
	085	00026	-0.34	32.89	26.44		1445.2							
	STO	00030	-0.62	32.90	26.46	00.048	1444.0							
	085	00030	-0.66	32.90	26.46		1443.8							
	STO	00050	-1.19	32.99	26.55	00.079	1441.8							
	085	00051	-1.21	33.00	26.56		1441.7							
	STO	00075	-1.36	33.27	26.79	00.113	1441.8							
	085	00076	-1.37	33.28	26.79		1441.8							
	085	00067	-1.46	33.32	26.83		1441.6							
	STO	00100	-1.37	33.37	26.86	00.144	1442.3							
	085	00100	-1.36	33.37	26.87		1442.4							
	STO	00125	-1.34	33.54	27.00	00.172	1443.1							
	085	00125	-1.30	33.54	27.00		1443.3							
	085	00131	-0.83	33.55	26.99		1445.6							
	085	00133	-0.60	33.62	27.05		1445.5							
	085	00135	-0.36	33.66	27.06		1448.0							
	085	00137	-0.31	33.71	27.10		1448.3							
	085	00140	00.66	33.86	27.17		1453.0							
	085	00146	01.53	33.96	27.20		1457.2							
	085	00148	01.82	33.99	27.20		1458.5							
	STO	00150	02.16	34.02	27.20	00.197	1460.1							
	085	00152	02.70	34.08	27.20		1462.6							
	085	00158	04.20	34.29	27.22		1469.3							
	085	00165	03.22	34.16	27.22		1465.2							
	085	00171	03.54	34.22	27.23		1466.7							
	085	00177	04.61	34.38	27.23		1472.3							
	STO	00200	04.09	34.45	27.36	00.237	1469.8							
	085	00201	04.05	34.45	27.37		1469.6							
	085	00224	03.72	34.44	27.39		1468.6							
	085	00230	03.95	34.49	27.41		1469.7							
	STO	00250	03.93	34.49	27.41	00.274	1470.0							
	085	00251	03.92	34.49	27.41		1470.0							
	085	00253	03.91	34.49	27.41		1470.0							
	085	00256	03.61	34.46	27.42		1468.7							
	085	00276	03.29	34.41	27.41		1467.6							
	STO	00300	02.66	34.41	27.47	00.307	1465.3							
	085	00302	02.61	34.41	27.47		1465.1							
	085	00338	02.47	34.46	27.52		1465.2							
	085	00342	02.68	34.45	27.53		1466.2							
	085	00350	02.71	34.46	27.50	P	C‡							
	085	00361	02.66	34.46	27.52		1466.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NDOC STATION DATA

REFID 31 8454	YEAR 1975	BDTOP 01207	AIR TEMP 01.0	DIR FGT PER	WIND-DIR 35	INST STD RECORDER	TEN SO 1306
CONSEC 0317	MONTH 04	SHIP EV	WET BULB 00.0	14 2 2	WIND-SPD 08	TRACE DIR 0	5 SQUARE 2
LAT 43 24.3N	DAY 10	DATA USE 1	BAROMETR 1001.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 049 04.3W	HOUR 07.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 706	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	04.28	33.76	26.79	00.000	1466.4							
07.1	OBS	00001	04.28	33.76	26.79		1466.4							
	STD	00010	04.28	33.76	26.79	00.013	1466.5							
	OBS	00011	04.28	33.76	26.79		1466.6							
	STD	00020	04.48	33.91	26.89	00.025	1467.7							
	OBS	C0020	04.50	33.92	26.90		1467.8							
	STD	03030	04.62	34.04	26.98	00.038	1468.7							
	OBS	00030	04.63	34.05	26.99		1468.7							
	STD	00050	05.05	34.19	27.05	00.057	1470.9							
	OBS	00051	05.09	34.20	27.05		1471.2							
	STD	00075	06.14	34.48	27.15	00.082	1476.2							
	OBS	00076	06.16	34.49	27.15		1476.3							
	STD	00100	06.02	34.51	27.16	00.105	1476.2							
	OBS	00100	06.01	34.51	27.19		1476.1							
	STD	00125	05.54	34.57	27.29	00.126	1474.7							
	OBS	00125	05.54	34.57	27.29		1474.7							
	STD	00150	05.69	34.69	27.37	00.146	1475.9							
	OBS	C0150	05.69	34.69	27.37		1475.9							
	OBS	00175	05.35	34.66	27.39		1474.9							
	OBS	00178	05.29	34.63	27.37		1474.7							
	OBS	C0180	04.89	34.59	27.38		1473.0							
	STD	00200	04.65	34.59	27.41	00.182	1472.3							
	OBS	00201	04.64	34.59	27.41		1472.3							
	OBS	00226	04.56	34.62	27.45		1472.4							
	STD	00250	03.86	34.60	27.50	00.214	1469.8							
	OBS	C0253	03.79	34.60	27.51		1469.6							
	OBS	00277	03.43	34.61	27.56		1468.5							
	STD	00300	03.35	34.61	27.56	00.244	1468.5							
	OBS	00302	03.34	34.61	27.56		1468.5							
	OBS	00335	03.72	34.73	27.62		1470.8							
	OBS	00340	04.06	34.81	27.65		1472.5							
	OBS	00350	04.07	34.81	27.65		1472.7							
	STD	00400	04.39	34.86	27.65	00.296	1474.9							
	OBS	00401	04.40	34.86	27.65		1475.0							
	OBS	00451	04.41	34.90	27.68		1475.9							
	STD	C0500	04.40	34.92	27.70	00.343	1476.7							
	OBS	00502	04.40	34.92	27.70		1476.7							
	OBS	00550	04.34	34.96	27.74		1477.3							
	STD	00600	04.30	34.95	27.74	00.388	1478.0							
	OBS	00603	04.29	34.95	27.74		1478.0							
	OBS	00651	03.59	34.95	27.77		1477.5							
	STD	00700	03.99	34.93	27.75	00.431	1478.3							
	OBS	C0700	03.99	34.93	27.75		1478.3							
	OBS	00750	03.84	34.91	27.75		1478.5							
	STD	00800	03.66	34.89	27.76	00.473	1478.5							
	OBS	00801	03.66	34.89	27.76		1478.5							
	OBS	00850	03.56	34.88	27.76		1478.9							
	STD	00900	03.48	34.88	27.77	00.515	1479.4							
	OBS	00900	03.46	34.88	27.77		1479.4							
	OBS	00953	03.45	34.87	27.76		1480.1							
	STD	01000	03.44	34.87	27.76	00.557	1480.9							
	OBS	01001	03.44	34.87	27.76		1480.9							
	OBS	01018	03.45	34.87	27.76		1481.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

FEFIO 31 0454	YEAR 1975	BOTOP 02105	AIR TEMP 03.1	OIR HGT PER	WINO-OIR 02	INST STO RECORDER	TEN SO 1306
CONSEC 0018	MONTH 04	SHIP EV	WET BULB 02.7	06 2 2	WINO-SPO 04	TRACE OIR 0	S SQUARE 2
LAT 43 15.5N	DAY 10	DATA USE 1	BARCMETR 1000.0	SEA	WINO-FOR	OURATION 00.3	2 SQUARE 28
LONG 048 47.3W	HOUR 05.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 707	1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.50	33.27	26.62	00.000	1455.5							
09.7	085	00001	01.90	33.27	26.62		1455.5							
	085	00009	01.87	33.26	26.61		1455.5							
	STO	00010	01.85	33.27	26.62	00.014	1455.4							
	085	00011	01.79	33.29	26.64		1455.2							
	STO	00020	01.24	33.37	26.74	00.028	1453.0							
	085	00020	01.19	33.38	26.75		1452.8							
	STO	00030	00.83	33.45	26.84	00.041	1451.4							
	085	00030	00.82	33.46	26.84		1451.4							
	085	00043	00.65	33.66	27.01		1451.1							
	STO	00050	00.66	33.71	27.05	00.063	1451.3							
	085	00051	00.67	33.72	27.06		1451.4							
	STO	00075	00.92	34.02	27.28	00.086	1453.3							
	085	00076	00.93	34.03	27.29		1453.4							
	STO	C0100	01.30	34.16	27.37	00.105	1455.7							
	085	00100	01.32	34.17	27.38		1455.8							
	STO	00125	01.84	34.43	27.55	00.121	1458.8							
	085	00123	01.85	34.43	27.55		1458.9							
	STO	00150	02.03	34.46	27.56	00.134	1460.1							
	085	CC150	02.03	34.46	27.56		1460.1							
	085	00175	02.29	34.53	27.59		1461.8							
	STO	00200	02.84	34.65	27.64	00.160	1464.7							
	085	00201	02.86	34.65	27.64		1464.9							
	085	00205	02.85	34.65	27.64		1465.0							
	085	00226	03.63	34.75	27.65		1468.7							
	STO	00250	03.52	34.75	27.66	00.183	1468.6							
	085	00251	03.52	34.75	27.66		1468.6							
	085	00261	03.63	34.79	27.68		1469.7							
	STO	00300	03.66	34.81	27.69	00.206	1470.1							
	085	00300	03.66	34.81	27.69		1470.1							
	085	00331	03.82	34.87	27.72		1471.4							
	085	00342	04.20	34.92	27.72		1473.2							
	065	00352	04.24	34.92	27.72		1473.6							
	STO	00400	04.42	34.95	27.72	00.249	1475.1							
	085	00401	04.42	34.95	27.72		1475.2							
	085	00451	04.29	34.95	27.74		1475.4							
	STO	00500	04.18	34.95	27.75	00.291	1475.8							
	085	00500	04.18	34.95	27.75		1475.8							
	085	00550	04.11	34.94	27.75		1476.3							
	STO	C0600	04.16	34.97	27.77	00.331	1477.4							
	085	00601	04.16	34.97	27.77		1477.4							
	065	00651	04.16	34.97	27.77		1476.2							
	STO	00700	04.03	34.94	27.76	00.372	1478.4							
	085	00702	04.02	34.94	27.76		1478.5							
	065	C0750	03.90	34.94	27.77		1478.7							
	STO	00800	03.66	34.91	27.77	00.413	1478.5							
	085	00803	03.65	34.91	27.77		1478.5							
	085	00852	03.59	34.90	27.77		1479.1							
	STO	00900	03.48	34.89	27.77	00.454	1479.4							
	065	C0900	03.48	34.89	27.77		1479.4							
	085	00953	03.43	34.89	27.78		1480.1							
	STO	01000	03.43	34.89	27.78	00.495	1480.9							
	085	01001	03.43	34.89	27.78		1480.9							
	085	01016	03.43	34.89	27.78		1481.1							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

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FSFIO  31  8454     YEAR 1975     BOTOP 02758     AIR TEMP  07.8     DIR MGT PER     WIND-DIR 04     INST STO RECORDER          TEN SQ 1306
CONSEC     0019     MONTH 04      SHIP EV         WET BULB  06.0      12  1   2      WIND-SPO 14     TRACE DIR           0      5 SQUARE  2
LAT    43 02.2N     DAY   10      DATA USE  1     BARCMETR 0996.5     SEA             WIND-FOR        DURATION        00.5      2 SQUARE 28
LONG  048 26.5W     HOUR 12.4     AREA      05     CLOUD 7/4          CL/TR           WEATHER  X2     ORIG 011 708  13           1 SQUARE 38
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CASTNUM/TIME	LVLTYP	CEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	C0000	05.31	34.00	26.87	00.000	1471.0							
12.4	085	00001	05.31	34.00	26.87		1471.0							
	STO	00010	05.36	34.03	26.88	00.012	1471.4							
	085	00013	05.41	34.03	26.88		1471.6							
	085	00017	05.38	34.03	26.88		1471.6							
	085	00019	04.95	33.98	26.89		1469.8							
	STO	00020	04.87	33.97	26.90	00.024	1469.4							
	085	00020	04.81	33.97	26.90		1469.2							
	085	00022	04.71	34.00	26.94		1468.9							
	085	03024	04.47	33.95	26.96		1467.5							
	STO	00030	04.31	34.03	27.00	00.035	1467.3							
	085	00030	04.30	34.03	27.01		1467.3							
	STO	00050	04.47	34.08	27.03	00.056	1468.4							
	085	00051	04.49	34.05	27.03		1468.5							
	STO	00075	05.08	34.29	27.13	00.081	1471.6							
	085	C0076	05.11	34.30	27.13		1471.8							
	STO	00100	04.24	34.33	27.25	00.103	1468.6							
	085	00100	04.21	34.33	27.25		1468.5							
	085	00102	04.85	34.43	27.26		1471.3							
	085	00112	04.67	34.41	27.27		1470.7							
	085	00116	04.31	34.38	27.28		1469.2							
	STO	00125	04.66	34.49	27.33	00.123	1471.0							
	085	00125	04.68	34.49	27.33		1471.1							
	085	00131	04.49	34.50	27.36		1470.4							
	STO	00150	04.86	34.59	27.39	00.142	1472.3							
	085	00152	04.86	34.60	27.40		1472.4							
	085	00175	04.41	34.59	27.44		1470.5							
	085	00177	04.31	34.57	27.43		1470.5							
	085	00196	03.36	34.50	27.47		1466.7							
	STO	00200	03.37	34.51	27.48	00.175	1466.8							
	085	00201	03.38	34.52	27.49		1466.9							
	085	00223	03.70	34.60	27.52		1468.7							
	085	00222	03.57	34.58	27.52		1468.1							
	085	00226	03.63	34.60	27.53		1468.5							
	085	00241	03.92	34.63	27.52		1470.0							
	085	00243	04.16	34.70	27.55		1471.2							
	STO	00250	04.32	34.72	27.55	00.205	1471.9							
	085	00251	04.34	34.72	27.55		1472.0							
	085	00276	04.54	34.76	27.56		1473.3							
	085	00279	04.48	34.78	27.58		1473.2							
	STO	C0300	04.75	34.82	27.58	00.233	1474.7							
	085	00300	04.76	34.82	27.58		1474.7							
	085	00350	04.88	34.93	27.66		1476.2							
	STO	C0400	04.91	34.97	27.68	00.284	1477.2							
	085	00401	04.91	34.97	27.68		1477.2							
	085	00424	04.63	34.95	27.70		1476.4							
	085	00453	04.59	34.95	27.70		1476.7							
	STO	C0500	04.41	34.96	27.73	00.329	1476.8							
	085	C0503	04.41	34.96	27.73		1476.8							
	085	00552	04.43	34.98	27.75		1477.7							
	STO	C0600	04.31	34.96	27.74	00.372	1478.0							
	085	00601	04.31	34.96	27.74		1478.0							
	085	C0652	04.24	34.97	27.76		1478.6							
	STO	00700	04.16	34.96	27.76	00.414	1479.0							
	085	00721	04.12	34.96	27.76		1479.2							
	085	00725	04.13	34.96	27.76		1475.3							
	085	00727	04.11	34.96	27.76		1479.3							
	085	00750	04.07	34.95	27.76		1479.5							
	STO	00800	03.55	34.95	27.77	00.456	1480.0							
	085	00803	03.99	34.95	27.77		1480.0							
	085	C0850	03.93	34.94	27.77		1480.6							
	STO	00900	03.91	34.94	27.77	00.497	1481.3							
	085	00951	03.68	34.95	27.78		1482.0							
	085	00970	04.16	34.98	27.77		1483.6							
	085	00977	03.91	34.96	27.79		1482.6							
	STO	C1000	03.84	34.95	27.78	00.535	1482.7							
	085	01001	03.84	34.95	27.78		1482.7							
	085	01024	03.82	34.95	27.79		14E3.0							

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TABLE 11. USCGC EVERGREEN, April and May–June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 03404	AIR TEMP 09.1	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SO 1308
CONSEC 0020	MONTH 04	SHIP EV	WET BULB 07.1	15 2 3	WIND-SPO 10	TRACE DIR 0	5 SQUARE 2
LAT 42 47.1N	DAY 10	DATA USE 1	BARCHETR 0991.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LCNG 048 02 W	HOUR 15.9	AREA 05	CLOUD T/A	CL/TA	WEATHER X1	ORIG 011 709 10	1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	03.36	33.09	26.35	00.000	1461.6							
15.9	OBS	00003	03.36	33.09	26.35		1461.6							
	OBS	00005	03.36	33.09	26.35		1461.7							
	STO	00010	03.04	33.06	26.36	00.017	1460.3							
	OBS	00011	02.93	33.05	26.36		1459.8							
	OBS	00013	03.07	33.21	26.47		1460.7							
	OBS	00017	00.99	33.03	26.49		1451.3							
	OBS	00019	00.74	33.16	26.61		1450.4							
	STO	00020	03.77	33.16	26.60	00.032	1450.6							
	OBS	00020	00.80	33.16	26.60		1450.7							
	OBS	00024	- 0.37	33.12	26.63		1445.4							
	OBS	00028	- 0.97	33.12	26.65		1442.7							
	STO	00030	- 1.00	33.21	26.72	00.046	1442.7							
	OBS	00030	- 1.01	33.24	26.75		1442.7							
	OBS	00047	- 1.23	33.41	26.89		1442.2							
	STO	00050	- 1.15	33.45	26.93	00.071	1442.6							
	OBS	00051	- 1.07	33.47	26.94		1443.1							
	OBS	00055	- 0.69	33.48	26.93		1444.9							
	OBS	00059	- 0.90	33.50	26.96		1444.0							
	OBS	C0060	- 0.75	33.57	27.01		1444.8							
	OBS	00064	00.72	33.65	27.00		1451.8							
	OBS	00066	00.90	33.73	27.05		1452.7							
	OBS	00068	00.99	33.75	27.06		1453.2							
	OBS	00070	00.87	33.78	27.10		1452.7							
	OBS	00074	01.60	33.94	27.17		1456.3							
	STO	00075	01.47	33.94	27.18	00.096	1455.7							
	OBS	00079	01.33	33.94	27.19		1455.2							
	OBS	00083	02.07	34.01	27.20		1458.6							
	OBS	00091	04.99	34.39	27.21		1471.7							
	OBS	00095	05.27	34.42	27.21		1472.9							
	STO	00100	05.21	34.43	27.22	00.118	1472.8							
	OBS	00100	05.20	34.45	27.24		1472.8							
	OBS	00104	06.36	34.62	27.23		1477.7							
	OBS	00110	06.78	34.76	27.26		1479.7							
	OBS	00112	07.15	34.82	27.28		1481.2							
	OBS	00123	07.34	34.82	27.25 ·		1482.2							
	STO	00125	07.20	34.79	27.25	00.140	1481.6							
	OBS	00125	07.13	34.78	27.25		1481.3							
	OBS	00131	06.18	34.65	27.27		1477.5							
	OBS	00142	05.66	34.58	27.28		1475.5							
	OBS	00146	05.31	34.52	27.28		1474.1							
	STO	00150	04.72	34.45	27.30	00.161	1471.6							
	OBS	00154	03.78	34.34	27.31		1467.6							
	OBS	00158	02.74	34.21	27.30		1463.0							
	OBS	00161	02.61	34.19	27.30		1462.5							
	OBS	00165	02.02	34.15	27.31		1459.9							
	OBS	00175	01.99	34.25	27.39		1460.1							
	OBS	00180	03.85	34.48	27.43		1467.7							
	OBS	00190	05.13	34.65	27.44		1474.3							
	OBS	00194	05.37	34.74	27.45		1475.4							
	STO	00200	04.85	34.68	27.46	00.157	1473.3							
	OBS	00201	04.84	34.66	27.45		1473.2							
	OBS	00209	05.56	34.84	27.50		1476.5							
	OBS	00217	05.78	34.87	27.50		1477.6							
	OBS	00222	06.63	55.02	27.51		1481.3							
	OBS	00226	06.65	35.02	27.50		1481.4							
	OBS	00236	06.63	35.02	27.51		1481.5							
	OBS	00241	06.17	34.97	27.53		1479.7							
	OBS	00243	06.19	34.96	27.52		1475.8							
	OBS	00245	05.97	34.91	27.51		1478.9							
	STO	00250	05.06	34.81	27.54	00.228	1475.1							
	OBS	00253	04.66	34.76	27.55		1473.5							
	OBS	C0260	04.63	34.75	27.54		1473.4							
	OBS	00262	04.34	34.69	27.53		1472.2							
	OBS	00276	04.16	34.70	27.55		1471.7							
	STO	00300	04.30	34.77	27.59	00.256	1472.8							
	OBS	00300	04.31	34.77	27.59		1472.8							
	OBS	00336	04.57	34.84	27.62		1474.6							
	OBS	00348	04.84	34.87	27.61		1475.5							
	OBS	00350	04.77	34.87	27.62		1475.7							
	OBS	00384	04.74	34.92	27.66		1476.2							
	OBS	00397	04.16	34.84	27.66		1473.9							
	STO	00400	04.18	34.85	27.67	00.307	1474.0							
	OBS	00403	04.22	34.86	27.67		1474.2							
	OBS	00451	04.43	34.93	27.71		1476.0							
	STO	00500	04.42	34.94	27.71	00.353	1476.8							
	OBS	00500	04.42	34.94	27.71		1476.8							
	OBS	00550	04.42	34.95	27.72		1477.6							
	STO	00600	04.29	34.95	27.74	00.397	1477.9							
	OBS	00601	04.29	34.95	27.74		1477.9							
	OBS	00651	04.20	34.95	27.75		1478.4							
	STO	00700	04.18	34.96	27.76	00.439	1479.1							
	OBS	00700	04.18	34.96	27.76		1479.1							
	OBS	00750	04.11	34.96	27.76		1479.7							
	STO	00800	04.06	34.95	27.76	00.482	1480.3							
	OBS	00801	04.06	34.95	27.76		1480.3							
	OBS	00852	04.11	34.97	27.77		1481.4							
	STO	00900	04.02	34.95	27.77	00.524	1481.8							
	OBS	C0900	04.02	34.95	27.77		1481.6							
	OBS	00951	03.95	34.95	27.77		1482.3							
	STO	01000	03.85	34.95	27.78	00.567	1482.7							
	OBS	01001	03.85	34.95	27.78		1482.7							
	OBS	01024	03.90	34.95	27.78		1483.3							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIC 31 8454	YEAR 1975	BOTOP 03037	AIR TEMP 06.2	OIR FGT PER	WIND-DIR 15	INST STC RECORDER	TEN SO 1306
CONSEC 0321	MONTH 04	SHIP EV	WET BULB 05.2	15 2 4	WIND-SPD 15	TRACE DIA D	5 SQUARE 2
LAT 42 37 N	DAY 10	DATA USE 1	BARCHETR 0987.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 26
LONG 047 44.8W	HOUR 18.7	AREA 05	CLCUD T/A	CL/7R	NEATHER A2	ORIG 011 710 08	1 SQUARE 27

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.00	32.92	26.33	00.000	1455.4							
1&7	OBS	00001	02.00	32.92	26.33		1455.4							
	OBS	00003	01.59	32.88	26.33		1453.6							
	OBS	00007	02.90	33.18	26.47		1459.8							
	STO	00010	04.51	33.37	26.46	00.016	1467.0							
	OBS	00011	04.84	33.42	26.46		1468.4							
	OBS	00015	03.48	33.32	26.52		1462.6							
	OBS	00017	02.85	33.30	26.57		1459.9							
	STO	00020	03.27	33.38	26.59	00.032	1461.9							
	OBS	00024	03.90	33.50	26.63		1464.8							
	OBS	00028	04.38	33.59	26.65		1467.0							
	STO	00030	02.56	33.40	26.67	00.046	1459.0							
	OBS	00030	02.18	33.36	26.67		1457.3							
	OBS	00032	02.02	33.36	26.68		1456.6							
	OBS	00038	- 1.02	33.30	26.80		1442.8							
	OBS	00040	- 1.21	33.28	26.79		1441.9							
	OBS	00043	00.71	33.46	26.85		1451.1							
	STO	00050	00.65	33.55	26.92	00.071	1451.1							
	OBS	00051	00.64	33.55	26.92		1451.0							
	OBS	00059	- 0.93	33.48	26.94		1443.8							
	OBS	00064	- 0.19	33.60	27.01		1447.5							
	OBS	00066	00.09	33.62	27.01		1448.9							
	OBS	00070	00.35	33.65	27.05		1450.2							
	OBS	00074	01.38	33.76	27.05		1455.0							
	STO	00075	01.33	33.75	27.04	00.098	1454.8							
	OBS	00075	01.04	33.72	27.04		1453.6							
	OBS	00097	00.74	33.81	27.13		1452.6							
	OBS	00099	00.87	33.82	27.13		1453.2							
	STO	00100	01.05	33.84	27.13	00.123	1454.1							
	OBS	00104	01.67	33.92	27.15		1457.0							
	OBS	00119	01.33	33.96	27.21		1455.8							
	OBS	00123	01.60	34.00	27.22		1457.2							
	STO	00125	01.51	34.00	27.23	00.145	1456.8							
	OBS	00125	01.48	34.00	27.23		1456.7							
	OBS	00131	01.71	34.09	27.29		1457.5							
	OBS	00137	02.52	34.18	27.30		1461.7							
	OBS	00139	02.55	34.19	27.30		1461.8							
	OBS	00144	03.63	34.38	27.35		1466.8							
	OBS	00146	03.61	34.29 P	27.280*									
	STO	00150	04.07	34.49	27.40	00.165	1468.9							
	OBS	00156	04.60	34.57	27.40		1471.4							
	OBS	00173	04.12	34.48	27.38		1469.5							
	OBS	00177	02.87	34.35	27.40		1464.1							
	OBS	00186	02.83	34.37	27.42		1464.1							
	OBS	00198	03.20	34.41	27.42		1465.5							
	STO	00200	02.46	34.30	27.40	00.200	1462.6							
	OBS	00201	01.96	34.23	27.38		1460.4							
	OBS	00211	02.04	34.36	27.48		1461.0							
	OBS	00218	05.16	34.78	27.50		1475.0							
	OBS	00226	05.17	34.79	27.51		1475.2							
	OBS	00234	04.18	34.65	27.51		1471.0							
	OBS	00236	03.54	34.60	27.50		1469.5							
	OBS	00243	02.91	34.48	27.50		1465.5							
	STO	00250	02.75	34.49	27.52	00.232	1465.1							
	OBS	00251	02.70	34.49	27.53		1464.8							
	OBS	00255	02.33	34.46	27.53		1463.2							
	OBS	00276	02.19	34.46	27.55		1462.9							
	OBS	00293	02.42	34.50	27.56		1464.2							
	STO	00300	04.35	34.80	27.61	00.260	1473.0							
	OBS	00300	04.53	34.83	27.62		1473.8							
	OBS	00329	04.63	34.87	27.61		1475.6							
	OBS	00333	04.60	34.84	27.62		1474.6							
	OBS	00348	04.53	34.92	27.64		1476.4							
	OBS	00350	04.93	34.92	27.64		1476.4							
	OBS	00362	05.19	34.99	27.67		1478.1							
	STO	00400	04.68	34.95	27.67	00.310	1477.0							
	OBS	00403	04.83	34.94	27.67		1476.9							
	OBS	00453	04.67	34.96	27.70		1477.1							
	STO	00500	04.55	34.96	27.72	00.356	1477.3							
	OBS	00500	04.55	34.96	27.72		1477.4							
	OBS	00550	04.34	34.95	27.73		1477.3							
	STO	00600	04.24	34.94	27.73	00.400	1477.7							
	OBS	00601	04.24	34.94	27.73		1477.7							
	OBS	00651	04.12	34.94	27.75		1478.0							
	STO	00700	04.00	34.93	27.75	00.443	1478.3							
	OBS	00700	04.00	34.93	27.75		1478.3							
	OBS	00751	03.90	34.91	27.75		1478.7							
	STO	00800	03.81	34.91	27.76	00.485	1479.2							
	OBS	00801	03.81	34.91	27.76		1479.2							
	OBS	00850	03.75	34.90	27.75		1479.7							
	STO	00900	03.73	34.90	27.76	00.528	1480.5							
	OBS	00902	03.73	34.90	27.76		1480.5							
	OBS	00951	03.63	34.89	27.76		1480.9							
	STO	01000	03.47	34.87	27.76	00.571	1481.0							
	OBS	01001	03.47	34.87	27.76		1481.0							
	OBS	01019	03.47	34.87	27.76		1481.3							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIC 31 8454	YEAR 1975	BOTOP 03812	AIR TEMP 12.5	AIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0022	MONTH 04	SHIP EV	WET BULB 11.5	26 2 3	WIND-SPD 11	TRACE DIR 0	5 SQUARE 2
LAT 42 23.5N	DAY 10	DATA USE 1	BAROMETR 0998.6	SE6	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 047 22.5d	HOUR 22.1	AREA 05	CLOUD T/A	CL/TA	WEATHER X1	DAIG 011 711	1 SQUARE 27

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.27	34.84	26.62	00.000	1494.7							
22.1	OBS	00001	11.27	34.84	26.62		1494.8							
	STD	00010	11.29	34.87	26.64	00.014	1495.0							
	OBS	00011	11.29	34.91	26.67		1495.1							
	OBS	00017	11.78	35.19	26.80		1497.2							
	OBS	00019	12.36	35.44	26.88		1499.6							
	STD	00020	12.63	35.51	26.88	00.027	1500.6							
	OBS	00024	13.48	35.75	26.89		1503.8							
	STD	00030	13.62	35.78	26.89	00.035	1504.4							
	OBS	00030	13.63	35.78	26.88		1504.4							
	STD	00050	13.64	35.78	26.88	00.063	1504.8							
	OBS	00051	13.64	35.78	26.88		1504.8							
	STD	00075	13.47	35.74	26.89	00.093	1504.6							
	OBS	00076	13.42	35.74	26.89		1504.6							
	OBS	00095	13.11	35.64	26.88		1503.6							
	STD	00100	12.87	35.58	26.89	00.123	1502.8							
	OBS	00100	12.83	35.57	26.89		1502.7							
	STD	00125	12.46	35.54	26.94	00.152	1501.9							
	OBS	00129	12.44	35.54	26.94		1501.8							
	STD	00150	12.31	35.52	26.95	00.181	1501.7							
	OBS	00150	12.31	35.52	26.95		1501.7							
	OBS	00152	12.37	35.53	26.95		1501.9							
	OBS	00159	11.87	35.45	26.98		1500.2							
	OBS	00163	11.62	35.37	26.97		1499.3							
	OBS	00175	11.60	35.39	26.99		1499.4							
	STD	00200	11.52	35.40	27.01	00.238	1499.6							
	OBS	00201	11.50	35.40	27.01		1499.5							
	OBS	00226	11.02	35.36	27.07		1498.2							
	OBS	00249	10.50	35.33	27.14		1496.7							
	STD	00250	10.48	35.31	27.14	00.290	1496.5							
	OBS	00257	09.77	35.14	27.12		1493.6							
	OBS	00264	08.64	35.00	27.20		1489.7							
	OBS	00270	07.85	34.83	27.18		1486.6							
	OBS	00277	07.80	34.86	27.21		1486.5							
	OBS	00279	07.74	34.84	27.21		1486.3							
	OBS	00285	06.58	34.72	27.22		1483.3							
	OBS	00297	06.54	34.74	27.24		1483.3							
	STD	00300	06.74	34.69	27.23	00.336	1482.5							
	OBS	00300	06.70	34.68	27.23		1482.4							
	OBS	00308	06.65	34.72	27.27		1482.4							
	OBS	00317	05.45	34.53	27.27		1477.5							
	OBS	00319	05.45	34.54	27.28		1477.5							
	OBS	00327	04.99	34.46	27.27		1475.6							
	OBS	00350	05.15	34.51	27.29		1476.9							
	OBS	00357	05.65	34.66	27.35		1479.1							
	OBS	00367	06.39	34.76	27.35		1482.4							
	OBS	00371	06.45	34.76 P	27.320*										
	OBS	00376	07.07	34.92	27.37		1485.4							
	OBS	00380	07.17	34.92	27.35		1485.5							
	OBS	00390	07.03	34.92	27.37		1485.5							
	OBS	00397	07.28	35.01	27.41		1486.7							
	STD	00400	07.08	34.98	27.41	00.420	1485.9							
	OBS	00411	06.39	34.86	27.41		1483.2							
	OBS	00426	06.40	34.87	27.42		1483.5							
	OBS	00447	05.49	34.80	27.48		1480.1							
	OBS	00451	05.45	34.79	27.48		1480.0							
	OBS	00466	05.16	34.76	27.49		1479.0							
	OBS	00470	04.93	34.75	27.51		1478.1							
	STD	00500	05.23	34.83	27.54	00.488	1479.8							
	OBS	00500	05.20	34.83	27.54		1479.9							
	OBS	00552	05.54	34.93	27.58		1482.2							
	STD	00600	05.24	34.92	27.61	00.547	1481.8							
	OBS	00605	05.20	34.92	27.61		1481.7							
	OBS	00651	04.86	34.95	27.67		1481.1							
	STD	00700	04.76	34.98	27.71	00.599	1481.6							
	OBS	00702	04.76	34.98	27.71		1481.6							
	OBS	00750	04.68	34.97	27.71		1482.0							
	STD	00800	04.57	34.98	27.73	00.646	1482.4							
	OBS	00803	04.56	34.98	27.73		1482.4							
	OBS	00852	04.47	34.99	27.75		1482.5							
	STD	00900	04.42	34.98	27.75	00.692	1483.5							
	OBS	00900	04.42	34.98	27.75		1483.5							
	OBS	00951	04.35	34.98	27.76		1484.0							
	STD	01000	04.27	34.98	27.76	00.737	1484.5							
	OBS	01001	04.27	34.98	27.76		1484.5							
	OBS	01024	04.20	34.97	27.76		1484.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8454	YEAR 1975	BOTOP 04350	AIR TEMP 11.1	DIR HGT PER	WIND-DIR 17	INST STO RECORDER	TEN SQ 1306
CONSEC 0023	MONTH 04	SHIP EV	WET BULB 10.1	16 3 4	WIND-SPD 06	TRACE 018 C	5 SQUARE 2
LAT 42 10.7N	DAY 11	DATA USE 1	BAROMETR 0997.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26
LONG 046 58.5W	HOUR 01.5	AREA 05	CLOUD 7/4	CL/TR	WEATHER X2	ORIG 011 712	1 SQUARE 26

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.59	34.17	26.39	00.000	1487.8							
01.5	OBS	00007	09.59	34.17	26.39		1487.9							
	STD	00010	09.59	34.17	26.39	00.016	1488.0							
	OBS	00013	09.59	34.17	26.39		1488.0							
	STD	00020	09.63	34.26	26.46	00.033	1488.4							
	OBS	00020	09.63	34.27	26.46		1488.4							
	OBS	00022	09.46	34.25	26.48		1487.8							
	OBS	00028	09.03	34.20	26.51		1486.3							
	STD	00030	08.94	34.20	26.52	00.048	1485.9							
	OBS	00030	08.91	34.20	26.53		1485.8							
	OBS	00038	08.28	34.10	26.55		1483.4							
	OBS	00040	08.12	34.10	26.57		1482.9							
	OBS	00043	09.56	34.58	26.72		1489.0							
	OBS	00045	09.56	34.58	26.72		1489.0							
	OBS	00049	10.17	34.80	26.79		1491.6							
	STD	00050	10.02	34.76	26.80	00.076	1491.0							
	OBS	00051	09.70	34.74	26.82		1489.8							
	OBS	00055	09.63	34.75	26.84		1489.6							
	OBS	00059	10.84	35.03	26.85		1494.4							
	OBS	00060	10.97	35.06	26.85		1494.9							
	OBS	00064	12.11	35.34	26.85		1499.3							
	OBS	00068	11.87	35.31	26.87		1498.5							
	OBS	00070	11.61	35.24	26.87		1497.6							
	OBS	00072	11.56	35.22	26.86		1497.5							
	OBS	00074	10.99	35.11	26.88		1495.3							
	STD	00075	10.97	35.11	26.89	00.107	1495.2							
	OBS	00076	10.93	35.12	26.90		1495.1							
	OBS	00097	09.56	34.87	26.94		1490.2							
	STD	00100	09.57	34.92	26.98	00.136	1490.3							
	OBS	00100	09.59	34.93	26.99		1490.5							
	OBS	00108	10.06	35.04	26.99		1492.4							
	OBS	00123	09.57	34.96	27.01		1490.8							
	STD	00125	09.47	34.93	27.01	00.163	1490.4							
	OBS	00131	08.51	34.81	27.00		1486.3							
	OBS	00135	08.46	34.76	27.03		1486.7							
	OBS	00146	08.27	34.86	27.14		1486.2							
	STD	00150	08.40	34.89	27.15	00.189	1486.8							
	OBS	00156	09.05	35.03	27.15		1489.5							
	STD	00200	08.90	35.04	27.19	00.234	1489.7							
	OBS	00237	08.77	35.05	27.21		1489.8							
	STD	00250	08.04	34.93	27.23	00.282	1487.1							
	OBS	00251	08.01	34.93	27.24		1487.0							
	OBS	00255	07.96	34.94	27.25		1486.9							
	OBS	00266	07.74	34.93	27.28		1486.2							
	OBS	00276	07.40	34.87	27.28		1485.0							
	OBS	00283	07.14	34.83	27.29		1484.0							
	STD	00300	07.10	34.85	27.31	00.324	1484.2							
	OBS	00300	07.10	34.85	27.31		1484.2							
	OBS	00306	08.19	35.09	27.34		1488.8							
	OBS	00323	07.97	35.06	27.35		1488.2							
	OBS	00331	07.41	34.95	27.37		1486.1							
	OBS	00336	07.05	34.92	27.37		1484.7							
	OBS	00350	06.80	34.91	27.40		1483.9							
	OBS	00386	06.60	34.94	27.45		1483.7							
	OBS	00399	06.10	34.85	27.44		1481.9							
	STD	00400	06.12	34.86	27.44	00.401	1481.9							
	OBS	00437	06.56	34.98	27.48		1484.0							
	OBS	00453	06.15	34.96	27.52		1483.1							
	STD	00500	05.58	34.92	27.56	00.466	1481.5							
	OBS	00500	05.58	34.92	27.56		1481.5							
	OBS	00550	05.52	34.95	27.59		1482.1							
	STD	00600	05.53	35.03	27.66	00.522	1483.1							
	OBS	00601	05.53	35.03	27.66		1483.1							
	OBS	00652	04.97	34.98	27.68		1481.6							
	STD	00700	04.90	34.99	27.70	00.573	1482.1							
	OBS	00700	04.90	34.99	27.70		1482.1							
	OBS	00750	04.86	35.01	27.72		1482.8							
	STD	00800	04.67	34.99	27.73	00.621	1482.9							
	OBS	00801	04.67	34.99	27.73		1482.9							
	OBS	00852	04.52	34.99	27.74		1483.1							
	STD	00900	04.47	34.99	27.75	00.667	1483.7							
	OBS	00900	04.47	34.99	27.75		1483.7							
	OBS	00953	04.40	34.99	27.76		1484.3							
	STD	01000	04.40	34.99	27.76	00.712	1485.1							
	OBS	01005	04.40	34.99	27.76		1485.1							
	OBS	01012	04.31	34.98	27.76		1484.9							
	OBS	01018	04.31	34.99	27.77		1485.0							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 04480	AIR TEMP 04.4	DIR FGT PER	WIND-DIR 35	INST STO RECORDER	TEN SQ 1306
CONSEC 0024	MONTH 04	SHIP EV	WET BULB 04.1	33 4 4	WIND-SPD 28	TRACE DIR 0	5 SQUARE 2
LAT 43 02.5N	DAY 11	DATA USE 1	BAROMETR 1006.0	SEA	WIND-FDR	DURATION 00.3	2 SQUARE 2C
LONG 046 16 W	HOUR 10.9	AREA 05	CLOUD T/6	CL/TA	WEATHER X2	ORLG 011 713	1 SQUARE 3B

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	13.85	35.54	26.65	00.000	1504.4							
10.9	OBS	00005	13.85	35.54	26.65		1504.5							
	STO	00010	13.93	35.57	26.66	00.014	1504.8							
	OBS	00011	13.94	55.58	26.67		1504.9							
	STO	00020	13.88	35.54	26.65	00.028	1504.8							
	OBS	00020	13.88	35.54	26.65		1504.8							
	STO	00030	13.94	35.58	26.66	00.042	1505.2							
	OBS	00030	13.94	35.58	26.67		1505.2							
	OBS	00034	13.91	35.52	26.63 *		1505.1							
	OBS	00036	14.05	35.68	26.72		1505.6							
	OBS	00038	14.27	35.68	26.67 *		1506.5							
	STO	00050	14.34	35.86	26.69	00.070	1508.8							
	OBS	00051	14.35	55.88	26.69		1509.0							
	STO	00075	15.20	36.03	26.74	00.104	1510.5							
	OBS	00076	15.21	36.03	26.74		1510.6							
	STO	00100	14.65	35.90	26.76	00.137	1509.0							
	OBS	00100	14.64	35.90	26.76		1509.0							
	OBS	00116	14.57	35.92	26.79		1509.1							
	OBS	00123	14.76	35.99	26.80	00.170	1509.9							
	STO	00125	14.77	35.99	26.80		1509.9							
	OBS	00125	14.77	35.99	26.80	00.202	1507.8							
	STO	00150	14.05	35.82	26.83		1507.8							
	OBS	00150	14.04	35.82	26.83		1505.6							
	OBS	00175	13.31	35.68	26.87		1505.6							
	STO	00200	12.81	35.60	26.91	00.264	1504.3							
	OBS	00201	12.80	35.60	26.92		1504.3							
	OBS	00226	12.94	35.66	26.93		1505.2							
	STO	00250	12.69	35.60	26.94	00.323	1504.7							
	OBS	00251	12.68	35.60	26.94		1504.7							
	OBS	00276	12.54	35.60	26.97		1504.6							
	STO	00300	12.11	35.51	26.98	00.382	1503.4							
	OBS	00300	12.10	35.51	26.98		1503.4							
	OBS	00350	11.51	35.48	27.07		1502.1							
	STO	00400	10.30	35.32	27.17	00.450	1498.4							
	OBS	00401	10.27	35.32	27.17		1498.4							
	OBS	00409	10.14	35.31	27.19		1498.0							
	OBS	00415	09.92	35.28	27.20		1497.3							
	OBS	00434	09.45	35.22	27.24		1495.8							
	OBS	00441	08.86	35.11	27.25		1493.6							
	OBS	00447	08.57	35.05	27.25		1492.5							
	OBS	00449	08.52	35.05	27.25		1492.3							
	OBS	00454	08.25	34.99	27.25		1491.3							
	OBS	00456	08.14	34.98	27.28		1490.9							
	OBS	00462	07.66	34.91	27.27		1489.1							
	OBS	00474	07.39	34.93	27.33		1488.3							
	OBS	00475	07.65	34.96	27.33		1489.4							
	OBS	00485	08.51	35.16	27.34		1493.0							
	STO	00500	08.31	35.12	27.34	00.582	1492.5							
	OBS	00502	08.10	35.08	27.34		1491.7							
	OBS	00510	07.12	34.91	27.35		1487.8							
	OBS	00514	06.85	34.86	27.35		1486.7							
	OBS	00550	06.64	34.95	27.45		1486.6							
	STO	00600	05.99	34.90	27.50	00.658	1484.8							
	OBS	00601	05.97	34.90	27.50		1484.7							
	OBS	00651	05.56	34.91	27.56		1483.5							
	OBS	00660	05.13	34.84	27.55		1482.2							
	OBS	00675	05.13	34.97	27.63		1482.7							
	STO	00700	05.36	34.97	27.63	00.720	1484.0							
	OBS	00700	05.36	34.97	27.63		1484.0							
	OBS	00753	05.47	35.03	27.66		1485.4							
	STO	00800	05.23	35.02	27.65	00.774	1485.2							
	OBS	00801	05.22	35.02	27.69		1485.2							
	OBS	00850	04.97	35.01	27.71		1485.0							
	STO	00900	04.56	34.96	27.72	00.824	1484.0							
	OBS	00900	04.56	34.96	27.72		1484.0							
	OBS	00951	04.56	34.98	27.73		1484.9							
	OBS	00957	04.29	34.94	27.73		1484.5							
	STO	01000	04.29	34.94	27.73	00.872	1484.5							
	OBS	01001	04.29	34.94	27.73		1484.6							
	OBS	01024	04.43	34.97	27.74		1485.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIC 31 8454	YEAR 1975	BOTOP 03986	AIR TEMP 04.5	DIR FGT PER	WIND-DIR 20	INST STD RECORDER	TEN SG 1306
CONSEC 0025	MONTH 04	SHIP EV	WET BULB 03.	20 2 3	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 43 08.2N	DAY 11	DATA USE 1	BARCMETR 1011.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 26
LONG 046 44.8W	HOUR 14.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 714 07	1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	04.07	33.68	26.75	00.000	1465.4							
14.8	OBS	00005	04.07	33.68	26.75		1465.5							
	STD	00010	04.07	33.68	26.75	00.013	1465.5							
	OBS	00011	04.06	33.68	26.75		1465.5							
	STD	00020	03.99	33.67	26.75	00.026	1465.4							
	OBS	C0020	03.98	33.67	26.75		1465.3							
	STD	00030	03.84	33.69	26.79	00.039	1464.9							
	OBS	00030	03.82	33.70	26.79		1464.8							
	OBS	00034	03.63	33.76	26.86		1464.2							
	OBS	00038	03.39	33.73	26.86		1463.2							
	OBS	CC040	03.16	33.67	26.83 *		1462.1							
	OBS	00049	02.21	33.67	26.91		1458.2							
	STD	00050	02.26	33.70	26.93	00.063	1458.5							
	OBS	00051	02.41	33.76	26.97		1459.2							
	OBS	00055	02.77	33.80	26.97		1460.9							
	OBS	00066	03.10	33.80	26.94 *		1462.5							
	OBS	00070	02.98	33.75	26.91 *		1462.0							
	STD	00075	02.51	33.66	26.88 *	00.092	1459.9							
	OBS	00076	02.35	33.65	26.89		1459.2							
	OBS	00078	02.04	33.64	26.90		1457.9							
	OBS	00079	01.96	33.81	27.04		1457.8							
	OBS	00081	02.30	33.86	27.06		1459.4							
	OBS	00085	02.36	33.85	27.04		1459.7							
	OBS	00087	02.03	33.75	26.99 *		1458.1							
	OBS	00091	01.84	33.83	27.07		1457.5							
	STD	C0100	01.90	33.88	27.11	00.115	1457.9							
	OBS	00100	01.91	33.89	27.11		1458.0							
	OBS	00116	02.33	34.14	27.28		1460.4							
	OBS	00118	02.69	34.19	27.29		1462.1							
	OBS	00121	02.77	34.15	27.28		1462.5							
	STD	00125	02.97	34.24	27.30	00.141	1463.5							
	OBS	00127	03.09	34.27	27.32		1464.1							
	OBS	00137	03.32	34.37	27.37		1465.4							
	OBS	00140	03.58	34.38	27.36		1466.6							
	OBS	00146	03.94	34.44	27.37		1468.3							
	STD	C0150	04.38	34.49	27.37	00.160	1470.2							
	OBS	00154	04.74	34.54	27.36		1471.9							
	OBS	00171	04.23	34.50	27.39		1470.0							
	OBS	00175	04.31	34.54	27.41		1470.4							
	OBS	00177	04.35	34.52	27.39		1470.6							
	OBS	00182	02.66	34.32	27.39		1463.2							
	OBS	00186	02.22	34.27	27.39		1461.3							
	OBS	00199	02.66	34.36	27.43		1463.6							
	STD	00200	02.69	34.36	27.43	00.195	1463.7							
	OBS	00205	03.84	34.56	27.47		1469.0							
	OBS	00226	03.73	34.57	27.49		1468.9							
	OBS	00245	03.63	34.57	27.50		1468.8							
	OBS	00249	04.32	34.74	27.57		1472.0							
	STD	00250	04.34	34.74	27.57	00.226	1472.0							
	OBS	00251	04.37	34.74	27.56		1472.2							
	OBS	C0260	04.66	34.76	27.55		1473.6							
	OBS	00264	04.09	34.68	27.54		1471.2							
	OBS	00272	04.22	34.73	27.57		1471.9							
	OBS	00276	04.64	34.79	27.57		1473.8							
	OBS	00279	04.61	34.78	27.57		1473.7							
	OBS	00281	04.43	34.74	27.56		1472.9							
	OBS	00285	04.04	34.68	27.55		1471.3							
	OBS	00287	04.01	34.72	27.58		1471.3							
	OBS	00291	03.74	34.67	27.57		1470.1							
	STD	00300	03.81	34.71	27.59	00.253	1470.6							
	OBS	C0300	03.82	34.71	27.60		1470.7							
	OBS	00354	04.15	34.80	27.63		1473.0							
	STD	00400	04.36	34.87	27.66	00.304	1474.8							
	OBS	00401	04.36	34.87	27.67		1474.8							
	OBS	00451	04.41	34.91	27.69		1475.9							
	STD	C0500	04.46	34.95	27.72	00.350	1476.9							
	OBS	00502	04.46	34.95	27.72		1477.0							
	OBS	00550	04.47	34.96	27.73		1477.8							
	STD	00600	04.45	34.98	27.74	00.393	1478.6							
	OBS	00601	04.45	34.98	27.74		1478.6							
	OBS	00652	04.31	34.96	27.74		1478.9							
	OBS	00656	04.05	34.92	27.74		1477.8							
	STD	00700	03.95	34.92	27.75	00.436	1478.1							
	OBS	00700	03.95	34.92	27.75		1478.1							
	OBS	00750	04.11	34.95	27.76		1479.6							
	STD	00800	03.98	34.94	27.76	00.478	1479.9							
	OBS	00801	03.98	34.94	27.76		1479.9							
	OBS	00852	03.85	34.94	27.77		1480.4							
	STD	C0900	03.82	34.92	27.76	00.521	1480.5							
	CBS	C0900	03.82	34.92	27.76		1480.5							
	OBS	00955	03.62	34.90	27.77		1480.5							
	STD	C1000	03.53	34.89	27.77	00.563	1481.3							
	OBS	01001	03.53	34.89	27.77		1481.3							
	OBS	01037	03.48	34.89	27.77		1481.7							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BDTOP 03504	AIR TEMP 04.0	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0024	MONTH 04	SHIP EV	WET BULB 04.0	22 2 2	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LAT 43 17.2N	DAY 11	DATA USE 1	BAROMETR 1011.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26
LONG 047 10 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DAIG 011 715 10	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.58	34.52	26.98	00.000	1480.7							
18.2	OBS	00003	07.58	34.52	26.98		1480.7							
	STD	00010	07.58	34.52	26.98	00.011	1480.9							
	OBS	00011	07.58	34.53	26.99		1480.9							
	STD	00020	07.73	34.61	27.03	00.022	1481.7							
	OBS	00020	07.74	34.61	27.03		1481.8							
	OBS	00026	07.80	34.59	27.00 ●		1482.1							
	STD	00030	07.67	34.56	27.00	00.032	1481.6							
	OBS	00030	07.61	34.54	26.99		1481.3							
	OBS	00032	07.28	34.43	26.95 ●		1479.9							
	OBS	00036	06.50	34.28	26.94		1476.7							
	OBS	00038	05.91	34.22	26.97		1474.3							
	OBS	00040	05.58	34.25	27.03		1473.0							
	OBS	00043	05.45	34.22	27.03		1472.5							
	OBS	00047	05.17	34.30	27.12		1471.6							
	STD	00050	05.70	34.44	27.17	00.052	1474.0							
	OBS	00051	05.92	34.48	27.17		1474.9							
	OBS	00053	06.10	34.48	27.15		1475.7							
	OBS	00059	05.78	34.46	27.18		1474.4							
	OBS	00064	06.56	34.59	27.18		1477.8							
	STD	00075	06.40	34.52	27.14 ●	00.075	1477.3							
	OBS	00076	06.38	34.51	27.14		1477.2							
	STD	00100	05.86	34.50	27.20	00.098	1475.5							
	OBS	00100	05.85	34.50	27.20		1475.5							
	OBS	00108	05.85	34.49	27.19		1475.6							
	OBS	00123	05.33	34.49	27.25		1473.7							
	STD	00125	05.85	34.58	27.26	00.120	1476.0							
	OBS	00125	05.94	34.59	27.26		1476.4							
	OBS	00127	05.61	34.51	27.24		1474.9							
	OBS	00139	05.27	34.45	27.23		1473.7							
	OBS	00148	04.71	34.41	27.26		1471.5							
	STD	00150	04.67	34.42	27.27	00.141	1471.3							
	OBS	00150	04.66	34.42	27.28		1471.3							
	OBS	00163	04.67	34.48	27.32		1471.6							
	OBS	00167	05.00	34.55	27.34		1473.2							
	OBS	00175	05.44	34.62	27.34		1475.2							
	OBS	00178	06.33	34.83	27.39		1479.2							
	STD	00200	06.29	34.82	27.40	00.179	1479.3							
	OBS	00201	06.28	34.82	27.40		1479.3							
	OBS	00211	06.37	34.88	27.43		1479.9							
	OBS	00215	06.23	34.83	27.41		1479.3							
	OBS	00217	05.49	34.69	27.39		1476.2							
	OBS	00226	05.35	34.73	27.46		1475.8							
	STD	00250	04.34	34.65	27.49	00.213	1471.9							
	OBS	00251	04.33	34.64	27.49		1471.9							
	OBS	00272	04.75	54.74	27.52		1474.1							
	OBS	00277	05.22	34.82	27.53		1476.2							
	STD	00300	05.48	34.86	27.54	00.244	1477.8							
	OBS	00300	05.49	34.86	27.54		1477.8							
	OBS	00306	05.04	34.82	27.55		1476.0							
	OBS	00310	04.92	34.84	27.58		1475.6							
	OBS	00317	04.52	34.77	27.57		1474.0							
	OBS	00342	04.22	34.80	27.63		1473.2							
	OBS	00352	04.63	34.85	27.62		1475.1							
	STD	00400	05.60	35.05	27.66	00.298	1480.1							
	OBS	00401	05.61	35.05	27.66		1480.2							
	OBS	00435	05.33	35.01	27.67		1479.6							
	OBS	00445	05.01	34.99	27.69		1478.4							
	OBS	00453	04.69	34.93	27.68		1477.1							
	STD	00500	04.48	34.96	27.72	00.344	1477.1							
	OBS	00500	04.48	34.96	27.72		1477.1							
	OBS	00552	04.36	34.98	27.73		1478.3							
	STD	00600	04.45	34.98	27.74	00.388	1478.6							
	OBS	00601	04.45	34.98	27.74		1478.6							
	OBS	00651	04.43	34.99	27.75		1479.4							
	STD	00700	04.34	34.98	27.76	00.450	1479.8							
	OBS	00702	04.34	34.98	27.76		1479.9							
	OBS	00750	04.25	34.99	27.77		1480.3							
	STD	00800	04.20	34.97	27.76	00.473	1480.9							
	OBS	00801	04.20	34.97	27.76		1480.9							
	OBS	00850	04.09	34.97	27.77		1481.3							
	STD	00900	04.02	34.96	27.77	00.515	1481.8							
	OBS	00900	04.02	34.96	27.77		1481.8							
	OBS	00951	03.95	34.95	27.77		1482.3							
	STD	01000	03.92	34.95	27.78	00.557	1483.0							
	OBS	01001	03.92	34.95	27.78		1483.0							
	OBS	01022	03.93	34.96	27.78		1483.4							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 03652	AIR TEMP 04.6	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SO 1306							
CONSEC 0027	MONTH 04	SHIP EV	WET BULB 04.2	20 2 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 2							
LAT 43 23.5N	DAY 11	DATA USE 1	BARCHETR 1010.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26							
LONG 047 38 W	HOUR 21.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG 011 716 05	1 SQUARE 37							

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.89	35.18	27.13	00.000	1450.2							
21.2	DBS	00001	09.89	35.18	27.13		1450.3							
	DBS	00003	10.02	35.20	27.12		1450.8							
	DBS	00005	11.04	55.37	27.07 ■		1454.7							
	DBS	00009	11.31	35.43	27.07		1455.8							
	STD	00010	11.32	35.43	27.07	00.010	1455.8							
	DBS	00011	11.33	35.42	27.06		1455.9							
	STD	00020	11.40	35.44	27.06	00.020	1456.3							
	DBS	00020	11.40	35.44	27.06		1456.3							
	STD	00030	11.43	35.45	27.06	00.030	1456.6							
	DBS	00030	11.43	35.45	27.06		1456.6							
	STD	00050	11.33	35.45	27.08	00.050	1456.5							
	DBS	00051	11.33	35.45	27.08		1456.6							
	STD	00075	11.36	35.47	27.09	00.075	1457.1							
	DBS	00076	11.36	35.47	27.09		1497.1							
	STD	00103	11.02	35.39	27.10	00.100	1456.2							
	OBS	00100	11.01	35.39	27.10		1456.2							
	OBS	00123	10.75	35.33	27.10		1455.5							
	STD	00125	10.64	35.29	27.08	00.125	1455.1							
	DBS	00127	10.45	35.22	27.06		1494.4							
	DBS	00131	10.22	35.16	27.06		1493.5							
	DBS	00135	09.66	35.09	27.10		1491.5							
	DBS	00137	09.64	35.04	27.06 ■		1491.4							
	DBS	00135	09.25	35.02	27.11		1489.9							
	STD	00150	09.11	35.01	27.13	00.150	1489.6							
	DBS	00150	09.11	35.01	27.13		1489.6							
	OBS	00169	09.02	35.02	27.15		1489.6							
	DBS	00173	09.65	35.18	27.17		1452.2							
	DBS	00177	09.73	35.18	27.16		1452.5							
	OBS	00182	09.91	35.22	27.16		1493.3							
	OBS	00158	09.91	35.22	27.16		1453.6							
	STD	00200	09.58	35.17	27.18	00.198	1452.3							
	DBS	00203	09.10	35.09	27.19		1450.5							
	DBS	00211	08.66	34.96	27.16 ■		1488.8							
	OBS	00217	07.61	34.83	27.22		1484.8							
	DBS	00226	07.42	34.88	27.29		1484.3							
	STD	00250	07.46	34.90	27.29	00.243	1484.8							
	DBS	00251	07.46	34.90	27.30		1484.8							
	OBS	00276	07.48	34.97	27.35		1485.4							
	STD	00300	07.43	34.99	27.37	00.283	1485.6							
	DBS	00300	07.42	34.95	27.37		1485.6							
	DBS	00325	06.89	34.89	27.37		1483.8							
	OBS	00329	06.28	34.76	27.35		1481.3							
	DBS	00335	05.72	34.73	27.40		1479.1							
	OBS	00344	05.86	34.83	27.46		1480.0							
	DBS	00350	06.18	34.87	27.45		1481.4							
	DBS	00365	05.63	34.79	27.45		1479.3							
	OBS	00373	05.20	34.72	27.45		1477.6							
	DBS	00378	04.62	34.65	27.46		1475.2							
	DBS	00382	04.41	34.63	27.47		1474.4							
	STD	00400	04.52	34.74	27.54	00.351	1475.3							
	DBS	00401	04.61	34.75	27.54		1475.7							
	DBS	00407	05.04	34.79	27.53		1477.6							
	DBS	00422	04.97	34.79	27.53		1477.6							
	DBS	00428	05.40	34.88	27.55		1479.5							
	DBS	00434	05.58	34.91	27.56		1480.4							
	DBS	00445	05.15	34.86	27.57		1478.8							
	DBS	00453	05.06	34.84	27.56		1478.5							
	DBS	00456	05.00	34.84	27.57		1478.3							
	OBS	00464	04.44	34.76	27.57		1476.0							
	DBS	00474	04.29	34.77	27.55		1475.6							
	DBS	00479	04.00	34.74	27.60		1474.4							
	STD	00500	04.15	34.79	27.62	00.407	1475.4							
	OBS	00500	04.15	34.79	27.63		1475.5							
	DBS	00552	04.58	34.95	27.71		1478.3							
	STD	00600	04.59	34.95	27.70	00.456	1479.1							
	DBS	00605	04.59	34.95	27.70		1479.2							
	DBS	00651	04.65	34.98	27.72		1480.3							
	STD	00700	04.55	34.98	27.73	00.502	1480.7							
	OBS	00702	04.54	34.98	27.73		1480.7							
	DBS	00750	04.42	34.98	27.75		1481.3							
	STD	00800	04.33	34.97	27.75	00.546	1481.4							
	DBS	00803	04.32	34.97	27.75		1481.4							
	DBS	00850	04.18	34.96	27.76		1481.6							
	STD	00900	04.09	34.96	27.77	00.590	1482.1							
	OBS	00902	04.08	34.96	27.77		1482.1							
	DBS	00953	03.85	34.94	27.78		1481.5							
	STD	01000	03.85	34.94	27.77	00.633	1482.9							
	DBS	01001	03.85	34.94	27.77		1482.9							
	DBS	01027	03.86	34.94	27.77		1483.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FEFIC 31 8454	YEAR 1575	BOTOP 03422	AIR TEMP 06.4	DIR HGT PER	WIND-DIR 25	INST STC RECORDER	TEN 50 1306
CONSEC 0028	MONTH 04	SHIP EV	WET BULB 06.0	25 2 3	WIND-SPD 16	TRACE DIR C	5 SQUARE 2
LAT 43 32.4N	DAY 12	DATA USE 1	BAROMETR 1012.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 048 03.8W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TP	WEATHER A2	ORIG 011 717	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	11.95	35.56	27.05	00.000	1498.0							
00.0	OBS	00001	11.95	35.56	27.05		1498.0							
	STO	00010	11.96	35.56	27.05	00.010	1498.2							
	OBS	00011	11.96	35.56	27.05		1498.2							
	STO	00020	11.96	55.57	27.06	00.020	1498.4							
	OBS	00020	11.96	35.57	27.06		1498.4							
	STO	00030	11.97	35.57	27.06	00.031	1498.6							
	OBS	00030	11.97	35.57	27.06		1498.6							
	STO	00050	11.99	35.57	27.05	00.051	1499.0							
	OBS	00051	11.99	35.57	27.05		1499.0							
	STO	00075	11.98	35.58	27.06	00.077	1499.4							
	OBS	00076	11.98	35.58	27.06		1499.4							
	STO	00100	11.92	35.57	27.07	00.103	1499.6							
	OBS	00100	11.92	55.57	27.07		1499.6							
	STO	00125	11.97	35.60	27.08	00.128	1500.2							
	OBS	00125	11.97	35.60	27.08		1500.2							
	STO	00150	11.97	35.58	27.08	00.154	1500.6							
	OBS	00150	11.97	35.58	27.08		1500.6							
	OBS	00177	11.60	35.51	27.08		1499.6							
	STO	00200	11.42	35.48	27.09	00.206	1499.3							
	OBS	00203	11.38	35.47	27.09		1499.3							
	OBS	00226	11.09	35.40	27.09		1498.5							
	OBS	00247	11.05	35.39	27.08		1498.8							
	STO	00250	10.87	35.35	27.09	00.258	1498.1							
	OBS	00253	10.83	55.30	27.09		1497.2							
	OBS	00276	09.89	35.20	27.15		1494.8							
	OBS	00285	09.30	35.15	27.21		1492.7							
	OBS	00289	08.94	35.05	27.19		1491.3							
	STO	00300	08.68	35.04	27.22	00.307	1490.5							
	OBS	00302	08.62	35.04	27.23		1490.3							
	OBS	00336	06.00	35.01	27.30		1488.5							
	OBS	00344	07.71	34.96	27.31		1487.4							
	OBS	00352	07.67	34.97	27.32		1487.4							
	OBS	00367	07.46	34.97	27.35		1486.8							
	OBS	00375	07.66	35.00	27.34		1487.8							
	OBS	00376	07.24	34.94	27.36		1486.1							
	STO	00400	07.17	34.93	27.36	00.392	1486.2							
	OBS	00403	07.05	34.93	27.38		1485.8							
	OBS	00407	06.89	34.89	27.37		1485.2							
	OBS	00416	06.30	34.84	27.41		1482.9							
	OBS	00451	06.01	34.89	27.45		1482.4							
	OBS	00481	05.74	34.86	27.50		1481.8							
	OBS	00487	05.35	34.81	27.50		1483.2							
	STO	00500	06.16	34.99	27.55	00.463	1483.9							
	OBS	00502	06.28	35.02	27.55		1484.5							
	OBS	00552	05.66	34.98	27.58		1483.6							
	OBS	00567	05.54	34.96	27.60		1482.9							
	OBS	00574	05.26	34.91	27.59		1481.4							
	STO	00600	04.94	34.90	27.62	00.521	1480.5							
	OBS	00601	04.92	34.90	27.63		1480.5							
	OBS	00609	05.06	34.93	27.63		1481.2							
	OBS	00616	04.86	34.91	27.64		1480.5							
	OBS	00651	04.86	34.94	27.67		1481.1							
	STO	00700	04.60	34.95	27.70	00.573	1480.8							
	OBS	00704	04.59	34.95	27.70		1480.9							
	OBS	00750	04.59	34.97	27.72		1481.7							
	STO	00800	04.53	34.97	27.73	00.620	1482.2							
	OBS	00803	04.52	34.97	27.73		1482.3							
	OBS	00850	04.34	34.95	27.73		1482.3							
	STO	00900	04.31	34.98	27.76	00.665	1483.0							
	OBS	00902	04.31	34.98	27.76		1483.0							
	OBS	00953	04.23	34.97	27.76		1483.6							
	STO	01000	04.11	34.96	27.77	00.709	1483.6							
	OBS	01003	04.10	34.96	27.77		1483.8							
	OBS	01027	04.07	34.95	27.76		1484.1							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA

REFID 31 8454	YEAR 1575	BOTOP 03015	AIR TEMP 05.0	OIR HGT PER	WIND-DIR 26	INST STO RECORDER	TEN SQ 1306
CONSEC 0025	MONTH 04	SHIP EY	WET BULB 03.9	00 X A	WIND-SPD 15	TRACE 01R 0	5 SQUARE 2
LAT 43 42 N	DAY 12	DATA USE 1	BARCMETR 1013.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 048 27 W	HOUR 02.6	AREA 05	CLOUD T/A	CL/TR	WEATHER 36	ORIG 011 71R	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	11.27	35.40	27.06	00.000	1455.4						
02.6	OBS	00003	11.27	35.40	27.06		1455.5						
	STO	00010	11.27	35.40	27.06	00.010	1455.6						
	OBS	00011	11.27	35.40	27.06		1455.6						
	STO	00020	11.28	35.40	27.05	00.020	1455.8						
	OBS	00020	11.28	35.40	27.05		1455.8						
	STO	00030	11.30	35.41	27.06	00.031	1456.0						
	OBS	00030	11.30	35.41	27.06		1456.1						
	STO	00050	11.29	35.41	27.06	00.051	1456.3						
	OBS	00051	11.29	35.41	27.06		1456.4						
	STO	00075	11.22	35.42	27.08	00.076	1456.5						
	OBS	00076	11.22	35.42	27.08		1456.5						
	STO	00100	11.33	35.45	27.08	00.102	1457.3						
	OBS	00100	11.33	35.45	27.08		1457.4						
	STO	00125	10.83	35.33	27.08	00.127	1455.8						
	OBS	00125	10.82	35.33	27.08		1455.8						
	STO	00150	10.47	35.28	27.11	00.152	1494.5						
	OBS	00152	10.45	35.28	27.11		1494.9						
	OBS	00175	10.43	35.27	27.11		1495.2						
	STO	00200	09.94	35.17	27.12	00.202	1453.7						
	OBS	00201	09.91	35.17	27.12		1453.6						
	OBS	00224	05.64	35.20	27.19		1453.0						
	OBS	00226	05.41	35.15	27.19		1452.1						
	OBS	00234	09.23	35.10	27.18		1451.5						
	OBS	00237	08.60	34.99	27.19		1489.1						
	OBS	00249	08.12	34.91	27.21		1487.4						
	STO	00250	08.02	34.90	27.21	00.250	1487.0						
	OBS	00255	07.42	34.81	27.23		1484.6						
	OBS	00268	07.58	34.89	27.27		1485.6						
	OBS	00276	07.32	34.85	27.28		1484.6						
	STO	00300	06.74	34.80	27.32	00.253	1482.7						
	OBS	00304	06.60	34.77	27.31		1482.2						
	OBS	00310	06.42	34.72	27.30		1481.5						
	OBS	00323	05.33	34.59	27.33		1477.1						
	OBS	00329	05.31	34.65	27.38		1477.2						
	OBS	00343	06.01	34.79	27.41		1480.4						
	OBS	00348	06.37	34.88	27.43		1482.1						
	OBS	00354	07.03	35.00	27.44		1485.0						
	OBS	00357	07.01	34.99	27.43		1485.0						
	OBS	00363	06.69	34.92	27.42		1483.7						
	OBS	00367	06.33	34.87	27.43		1482.3						
	OBS	00369	06.28	34.88	27.44		1482.1						
	OBS	00375	05.83	34.82	27.45		1480.3						
	OBS	00384	05.85	34.86	27.48		1480.6						
	OBS	00388	05.65	34.79	27.45 •		1479.8						
	OBS	00357	05.02	34.73	27.48		1477.3						
	STO	00400	05.00	34.75	27.50	00.366	1477.3						
	OBS	00401	04.99	34.76	27.51		1477.3						
	OBS	00420	05.17	34.78	27.50		1478.3						
	OBS	00424	04.75	34.72	27.50		1476.6						
	OBS	00439	04.61	34.77	27.56		1476.3						
	OBS	00453	05.52	34.95	27.55		1480.5						
	OBS	00462	05.51	34.92	27.57		1480.6						
	OBS	00472	04.84	34.83	27.58		1477.9						
	STO	00500	05.11	34.91	27.62	00.425	1479.6						
	OBS	00502	05.13	34.92	27.62		1479.7						
	OBS	00552	05.26	34.98	27.65		1481.1						
	STO	00600	04.86	34.96	27.68	00.477	1480.3						
	OBS	00603	04.84	34.96	27.68		1480.3						
	OBS	00652	04.77	34.99	27.72		1480.8						
	STO	00700	04.63	34.98	27.72	00.525	1481.0						
	OBS	00700	04.63	34.98	27.72		1481.0						
	OBS	00751	04.41	34.98	27.75		1481.0						
	STO	00800	04.43	34.99	27.75	00.570	1481.5						
	OBS	00801	04.43	34.99	27.75		1481.5						
	STO	00900	04.13	34.96	27.76	00.613	1482.2						
	OBS	00900	04.13	34.96	27.76		1482.2						
	OBS	00951	04.07	34.96	27.77		1482.8						
	STO	01000	03.82	34.92	27.76	00.657	1482.6						
	OBS	01001	03.82	34.92	27.76		1482.6						
	OBS	01024	03.77	34.92	27.77		1482.7						

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFID 31 0454	YEAR 1975	BOTOP 01944	AIR TEMP 01.3	DIR HGT PER	WIND-DIR 24	INST STO RECORDER	TEN SO 1306
CONSEC 0030	MONTH 04	SHIP EV	WET BULB 00.8	00 X X	WIND-SPD 06	TRACE OIR 0	5 SQUARE 2
LAT 45 49 N	DAY 12	OATA USE 1	BAROMETR 1012.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 048 48.3W	HOUR 05.0	AREA 05	CLOUD 7/A	CL/TR	WEATHER AO	ORIG 011 719	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT-P	NO2	NO3	SIO3	PH
	STD	00000	- 0.01	32.98	26.50	00.000	1446.4							
05.0	OBS	00001	- 0.01	32.98	26.50		1446.5							
	STD	00010	- 0.10	32.68	26.49	00.015	1446.2							
	OBS	00011	- 0.11	32.96	26.49		1446.1							
	OBS	00013	- 0.32	33.00	26.53		1445.3							
	OBS	00017	00.35	33.09	26.57		1446.5							
	STD	00020	- 0.68	32.98	26.53 •	00.031	1443.7							
	OBS	00020	- 0.92	32.56	26.52		1442.5							
	STD	00030	- 1.26	33.23	26.75	00.045	1441.5							
	OBS	00030	- 1.28	33.25	26.77		1441.4							
	OBS	00032	- 1.21	33.34	26.84		1441.5							
	OBS	00034	- 0.82	33.44	26.90		1443.9							
	OBS	00038	02.73	33.76	26.54		1460.4							
	OBS	00043	02.66	33.64 P	26.840•									
	OBS	00045	03.00	33.91	27.04		1461.9							
	OBS	00047	03.41	34.03	27.10		1463.8							
	OBS	00049	04.16	34.01 P	27.000•									
	STD	00050	04.35	34.10	27.05	00.068	1467.5							
	OBS	00051	04.75	34.28 P	27.150									
	OBS	00053	04.99	34.22	27.08 •		1470.8							
	OBS	00055	05.40	34.31	27.10		1472.6							
	OBS	00059	06.31	34.37	27.04 •		1476.5							
	OBS	00060	06.44	34.31 P	26.970•									
	OBS	00062	06.50	34.46	27.00		1477.4							
	OBS	00064	06.77	34.60 P	27.160									
	OBS	00068	07.82	34.82 P	27.180									
	OBS	C0070	08.04	34.72	27.07 •		1483.9							
	OBS	00072	08.27	34.66 P	27.160									
	OBS	00074	08.44	34.80	27.07 •		1485.6							
	STD	00075	08.23	34.76	27.07	00.094	1484.7							
	OBS	00076	07.56	34.52 P	26.920•									
	OBS	00079	07.28	34.56	27.05		1480.5							
	OBS	00085	06.85	34.47	27.04		1479.2							
	OBS	00085	06.74	34.48	27.07		1478.8							
	OBS	00091	06.47	34.38 P	27.020•									
	OBS	00095	06.24	34.48	27.12		1476.5							
	STD	00100	06.32	34.48	27.12	00.118	1477.3							
	OBS	00100	06.33	34.48	27.12		1477.4							
	OBS	00104	07.23	34.65	27.13	..	1481.2							
	OBS	00106	07.21	34.55	27.09 •		1481.1							
	OBS	00108	06.50	34.52	27.08		1475.8							
	OBS	00112	05.17	34.28	27.11		1472.6							
	OBS	00116	04.74	34.25	27.13		1470.6							
	OBS	00121	04.10	34.22	27.18		1468.2							
	STD	00125	04.05	34.20	27.17	00.142	1468.1							
	OBS	00125	04.04	34.20	27.17		1468.0							
	STD	00150	03.27	34.24	27.28	00.164	1465.2							
	OBS	00150	03.26	34.26	27.29		1465.2							
	OBS	00152	03.45	34.36	27.35		1466.2							
	OBS	00156	04.25	34.39	27.30 •		1469.7							
	OBS	00158	04.35	34.42	27.31		1470.1							
	OBS	00163	03.67	34.26 P	27.250•									
	OBS	00175	03.46	34.35	27.34		1466.7							
	OBS	00177	03.42	34.33	27.33		1466.4							
	OBS	00182	04.31	34.44	27.33		1470.4							
	OBS	00184	04.90	34.52	27.33		1473.2							
	OBS	00196	04.76	34.58	27.39		1472.7							
	STD	00200	04.79	34.57	27.38	00.202	1472.5							
	OBS	00201	04.81	34.57	27.38		1473.0							
	OBS	00203	04.58	34.53	27.37		1472.0							
	OBS	00205	04.58	34.58	27.41		1472.1							
	OBS	00209	04.84	34.62	27.41		1473.3							
	OBS	00226	04.83	34.71	27.49		1473.7							
	STD	00250	04.75	34.69	27.48	00.237	1473.7							
	OBS	00253	04.70	34.68	27.48		1473.5							
	OBS	00276	04.01	34.58	27.47		1470.5							
	STD	00300	03.73	34.64	27.55	00.267	1470.2							
	OBS	00300	03.73	34.64	27.55		1470.2							
	OBS	00352	04.02	34.75	27.61		1472.4							
	STD	00400	04.37	34.83	27.63	00.321	1474.8							
	OBS	00403	04.40	34.83	27.63		1475.0							
	OBS	00428	04.27	34.86	27.67		1474.9							
	OBS	00437	04.49	34.90	27.68		1476.0							
	OBS	00451	04.45	34.51	27.68		1476.2							
	STD	00500	04.20	34.90	27.71	00.369	1475.8							
	OBS	00500	04.20	34.90	27.71		1475.8							
	OBS	00550	04.38	34.95	27.73		1477.5							
	STD	00600	04.35	34.96	27.74	00.413	1478.2							
	OBS	00603	04.34	34.96	27.74		1478.2							
	OBS	00631	04.13	34.94	27.75		1478.1							
	STD	00700	03.93	34.92	27.75	00.456	1478.1							
	OBS	00700	03.95	34.92	27.75		1478.1							
	OBS	00750	04.02	34.95	27.77		1479.3							
	STD	00800	03.95	34.94	27.77	00.498	1479.8							
	OBS	00801	03.55	34.94	27.77		1479.8							
	OBS	00850	03.84	34.94	27.77		1480.4							
	STD	00900	03.81	34.93	27.77	00.540	1480.9							
	OBS	00900	03.81	34.93	27.77		1480.9							
	OBS	00944	03.66	34.92	27.78		1481.0							
	OBS	00953	03.86	34.95	27.78		1482.0							
	STD	01000	03.93	34.96	27.78	00.582	1483.1							
	OBS	01001	03.93	34.96	27.78		1483.1							
	OBS	01020	03.91	34.95	27.78		1483.3							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

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RSFIO  31  8454     YEAR 1975     BOTOP 00375     AIR TEMP  01.7     DIR HGT PER    WIND-DIR 25     INST STO RECORDER     TEN SO 1306
CONSEC    0031      MONTH 04      SHIP EV         WET BULB  01.0     00  X   X      WINC-SPO 04     TRACE DIR      0      5 SQUARE  2
LAT    43 52 N      DAY    12     DATA USE  1     BARONETR 1012.3    SEA            WIND-FOR        DURATION      00.1    2 SQUARE 28
LONG  048 59.1W     HOUR 06.9     AREA     05     CLCUD T/A          CL/TR          WEATHER  XO     ORIG 011 720          1 SQUARE 38
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	- 0.10	32.91	26.45	00.000	1445.9							
06.9	OBS	00001	- 0.10	32.91	26.45		1446.0							
	STO	00010	- 0.10	32.92	26.46	00.016	1446.1							
	OBS	00011	- 0.10	32.93	26.46		1446.1							
	STO	00020	- 0.38	33.01	26.54	00.031	1445.1							
	OBS	00020	- 0.40	33.02	26.55		1445.0							
	STO	00030	- 0.52	33.06	26.59	00.046	1444.7							
	OBS	00030	- 0.53	33.06	26.59		1444.7							
	OBS	00036	- 0.60	33.06	26.59		1444.4							
	OBS	00045	- 1.22	33.10	26.64		1441.7							
	STO	00050	- 1.30	33.18	26.71	00.074	1441.5							
	OBS	00051	- 1.32	33.20	26.73		1441.5							
	OBS	00062	- 1.36	33.31	26.82		1441.5							
	STO	00075	- 1.33	33.37	26.86	00.106	1442.1							
	OBS	00078	- 1.32	33.38	26.87		1442.2							
	STO	00100	- 1.30	33.41	26.89	00.135	1442.7							
	OBS	00100	- 1.30	33.41	26.90		1442.7							
	STO	00125	- 1.23	33.46	26.93	00.164	1443.5							
	OBS	00125	- 1.23	33.46	26.93		1443.5							
	STO	00150	- 0.90	33.52	26.97	00.191	1445.5							
	OBS	00152	- 0.87	33.53	26.98		1445.7							
	OBS	C0175	- 0.55	33.64	27.06		1447.8							
	STO	00200	00.05	33.78	27.14	00.242	1451.1							
	OBS	00201	00.08	33.79	27.15		1451.3							
	OBS	00230	00.33	33.87	27.20		1453.0							
	OBS	00234	00.42	33.91	27.23		1453.6							
	OBS	00243	00.85	34.08	27.33		1456.1							
	STO	00250	00.95	34.10	27.35	00.283	1456.5							
	OBS	00255	01.01	34.13	27.37		1456.6							
	OBS	00285	01.60	34.38	27.53		1460.4							
	STO	00300	01.65	34.40	27.54	00.316	1460.8							
	OBS	00302	01.67	34.40	27.54		1461.0							
	OBS	00350	02.39	34.55	27.60		1465.1							
	OBS	00363	02.40	34.55	27.60		1465.4							

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RSFIO  31  8454     YEAR 1975     BOTOP 00086     AIR TEMP  01.7     DIR HGT PER    WIND-DIR 23     INST STO RECORDER     TEN SO 1306
CONSEC    0032      MONTH 04      SHIP EV         WET BULB  01.4     00  X   X      WINO-SPO 12     TRACE DIR      0      5 SQUARE  2
LAT    43 57.5N     DAY    12     DATA USE  1     BARONETR 1015.7    SEA            WIND-FOR        DURATION      00.1    2 SQUARE 28
LONG  045 12.3W     HOUR 08.6     AREA     05     CLCUO T/A          CL/TR          WEATHER  X1     ORIG 011 721          1 SQUARE 39
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.23	32.99	26.44	00.000	1452.1							
08.6	OBS	00001	01.23	32.99	26.44		1452.1							
	OBS	00007	01.21	32.96	26.42		1452.1							
	STO	00010	01.16	32.98	26.44	00.016	1451.9							
	OBS	00011	01.14	32.99	26.44		1451.9							
	STO	00020	01.03	33.00	26.46	00.032	1451.5							
	OBS	00020	01.02	33.00	26.46		1451.5							
	STO	00030	00.94	33.02	26.48	00.048	1451.3							
	OBS	00032	00.93	33.02	26.48		1451.3							
	OBS	00034	00.92	33.02	26.48		1451.3							
	OBS	00040	00.46	33.08	26.56		1449.4							
	OBS	00043	00.18	32.98	26.45 *		1448.0							
	OBS	00045	- 0.47	32.97	26.51		1445.1							
	OBS	00045	- 0.86	33.10	26.63		1443.4							
	STO	00050	- 0.84	33.14	26.66	00.077	1443.7							
	OBS	00051	- 0.73	33.22	26.72		1444.3							
	OBS	00059	- 0.43	33.11	26.62 *		1445.7							
	OBS	00064	- 0.73	33.15	26.67		1444.4							
	STO	00075	- 0.84	33.16	26.68	00.112	1444.1							
	OBS	00076	- 0.86	33.16	26.68		1444.0							
	OBS	00076	- 0.89	33.16	26.68		1443.9							

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N O D C   S T A T I O N   D A T A

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REFID  31  8454     YEAR 1975    BOTOP 00040    AIR TEMP  03.2    DIR HGT PER   WIND-DIR 00   INST STD RECORDER      TEN SQ 1306
CONSEC    0033      MONTH  04     SHIP EV        WET BULB  02.2     00  X   R    WIND-SPD 00   TRACE DIR        0     5 SQUARE  2
LAT    44 02.8N     DAY    12     DATA USE  1    BAROMETR 1014.0    SEA           WIND-FOR      DURATION       00.0    2 SQUARE 48
LONG  049 35.8W     HOUR 10.7     AREA      05   CLCUO T/A          CL/TR         WEATHER  X0   ORIG 011 722          1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.53	32.77	26.24	00.000	1453.1							
10.7	OBS	00001	01.53	32.77	26.24		1453.2							
	STD	00010	01.49	32.80	26.27	00.018	1453.1							
	OBS	00011	01.48	32.81	26.28		1453.1							
	OBS	00013	01.06	32.55	26.10 *		1450.9							
	OBS	00017	00.39	32.99	26.49		1448.6							
	STD	00020	00.36	33.01	26.51	00.034	1448.5							
	OBS	00020	00.35	33.02	26.51		1448.5							
	OBS	00028	00.33	33.02	26.52		1448.5							
	STD	00030	00.33	33.01	26.51	00.049	1448.5							
	OBS	00030	00.33	33.01	26.51		1448.5							
	OBS	00043	00.34	33.02	26.51		1448.8							

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REFID  31  8454     YEAR 1975    BOTOP 00064    AIR TEMP  01.1    DIR HGT PER   WIND-DIR 09   INST STD RECORDER      TEN SQ 1306
CONSEC    0034      MONTH  04     SHIP EV        WET BULB  00.9     10  1   2    WIND-SPD 11   TRACE CIR        0     5 SQUARE  2
LAT    44 50 N      DAY    12     DATA USE  1    BAROMETR 1011.2    SEA           •IND-FOR      DURATICA       00.0    2 SQUARE 48
LONG  049 20 W      HOUR 22.0     AREA      05   CLCUO T/A          CL/TR         WEATHER  A2   ORIG 011 723  05      1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	00.45	32.88	26.40	00.000	1448.4							
22.0	OBS	00000	00.45	32.88	26.40		1448.4							
	STD	00010	- 0.13	32.84	26.39	00.016	1445.9							
	OBS	00010	- 0.13	32.84	26.39		1445.9							
	OBS	00014	- 0.48	32.93	26.48		1444.5							
	STD	00020	- 0.45	33.00	26.53	00.032	1444.8							
	OBS	00020	- 0.45	33.00	26.53		1444.8							
	OBS	00023	- 0.65	33.06	26.59		1444.0							
	STD	00030	- 0.69	33.07	26.60	00.047	1443.9							
	OBS	00030	- 0.69	33.07	26.60		1443.9							
	OBS	00033	- 0.63	33.13	26.65		1444.3							
	OBS	00036	- 0.43	33.11	26.62 *		1445.3							
	OBS	00042	- 0.79	33.07	26.60		1443.6							
	STD	00050	- 0.89	33.15	26.67	00.075	1443.4							
	OBS	00050	- 0.85	33.15	26.67		1443.4							
	OBS	CC060	- 0.92	33.15	26.67		1443.4							

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REFID  31  8454     YEAR 1975    BOTOP 00115    AIR TEMP  01.2    DIR HGT PER   WIND-DIR 10   INST STD RECORDER      TEN SQ 1306
CONSEC    0035      MONTH  04     SHIP EV        WET BULB  01.0     00  X   X    WIND-SPD 16   TRACE DIR        0     5 SQUARE  2
LAT    44 46.3N     DAY    13     DATA USE  1    BARCMETR 1007.5    SEA           WIND-FOR      DURATION       00.4    2 SQUARE 48
LONG  049 04.4W     HOUR 01.3     AREA      05   CLOUD T/A          CL/TR         WEATHER  X5   ORIG 011 724          1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.49	32.87	26.43	00.000	1444.1							
01.3	OBS	00003	- 0.49	32.87	26.43		1444.1							
	STD	00010	- 0.61	32.85	26.42	00.016	1443.7							
	OBS	00011	- 0.64	32.85	26.42		1443.5							
	STD	00020	- 0.92	32.94	26.51	00.032	1442.5							
	OBS	00020	- 0.95	32.95	26.51		1442.4							
	STD	00030	- 1.16	33.03	26.58	00.047	1441.7							
	OBS	00030	- 1.18	33.03	26.58		1441.6							
	OBS	00032	- 1.27	33.02	26.58		1441.2							
	OBS	00034	- 1.30	33.06	26.63		1441.1							
	OBS	00036	- 1.41	33.12	26.66		1440.7							
	OBS	00038	- 1.43	33.14	26.70		1440.7							
	STD	00050	- 1.42	33.21	26.73	00.075	1441.0							
	OBS	00051	- 1.42	33.21	26.74		1441.0							
	STD	00075	- 1.36	33.28	26.79	00.107	1441.8							
	OBS	00078	- 1.36	33.28	26.79		1441.8							
	STD	00100	- 1.32	33.30	26.81	00.138	1442.4							
	OBS	00100	- 1.32	33.30	26.81		1442.5							
	OBS	00106	- 1.31	33.32	26.82		1442.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCOC STATION DATA

PEFIO 31 8454	YEAR 1575	BOTOP 00420	AIR TEMP 01.3	DIR HGT PER	WIND-OIR 10	INST STO RECORDER	TEN SG 1306
CONSEC 0036	MONTH 04	SHIP EV	WET BULB 00.7	00 X A	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LAT 44 44.7N	DAY 13	DATA USE 1	BAROMETR 1007.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 02 W	HOUR	AREA 05	CLOUD T/A	CL/TR	WEATHER A5	ORIG 011 725	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	- 0.12	32.87	26.42	00.000	1445.8							
	OBS	00001	- 0.12	32.87	26.42		1445.8							
	OBS	00037	- 0.15	32.84	26.39 *		1445.7							
	STO	00010	- 0.30	32.84	26.40	00.016	1445.1							
	OBS	00013	- 0.47	32.85	26.41		1444.4							
	STO	00020	- 0.68	32.88	26.44	00.032	1443.5							
	OBS	00020	- 0.72	32.89	26.46		1443.4							
	OBS	00022	- 0.82	32.93	26.49		1443.0							
	OBS	00024	- 0.81	32.91	26.48		1443.0							
	OBS	00026	- 1.24	32.98	26.55		1441.2							
	STO	00030	- 1.31	33.07	26.62	00.048	1441.0							
	OBS	00030	- 1.32	33.08	26.63		1441.0							
	STO	00050	- 1.40	33.24	26.76	00.075	1441.2							
	OBS	00051	- 1.40	33.25	26.77		1441.2							
	STO	00075	- 1.36	33.30	26.81	00.106	1441.8							
	OBS	00076	- 1.36	33.30	26.81		1441.9							
	STO	00100	- 1.36	33.33	26.83	00.137	1442.3							
	OBS	00100	- 1.36	33.33	26.83		1442.3							
	OBS	00118	- 1.43	33.37	26.87		1442.3							
	STO	00125	- 1.32	33.41	26.89	00.167	1443.0							
	OBS	00125	- 1.31	33.41	26.90		1443.1							
	STO	00150	- 0.93	33.48	26.94	00.195	1445.3							
	OBS	00150	- 0.93	33.48	26.94		1445.4							
	OBS	00175	- 0.93	33.49	26.95		1445.8							
	STO	00200	- 0.78	33.53	26.97	00.250	1446.9							
	OBS	00203	- 0.73	33.54	26.98		1447.3							
	OBS	00226	- 0.21	33.66	27.06		1450.2							
	STO	00250	00.22	33.89	27.22	00.299	1452.9							
	OBS	00251	00.25	33.90	27.23		1453.1							
	OBS	00276	00.97	34.12	27.36		1457.0							
	STO	00300	01.23	34.20	27.41	00.338	1458.7							
	OBS	00300	01.24	34.20	27.41		1458.8							
	OBS	00350	01.50	34.30	27.47		1460.5							
	OBS	00380	01.76	34.41	27.54		1462.7							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N C O C   S T A T I O N   D A T A

ESFIO 31 8454		YEAR 1975		BOTOP 01408		AIR TEMP 07.2		DIR HGT PER		WIND-DIR 05		INST STG RECORDER		TEN SQ 1306	
CONSEC 0037		MONTH 04		SHIP EV		WET BULB 06.9		00 X X		WIND-SPD 26		TRACE DIR 0		5 SQUARE 2	
LAT 44 42.4N		DAY 13		DATA USE 1		BAROMETR 1000.0		SE4		WIND-FOR		DURATION 00.4		2 SQUARE 48	
LONG 048 56.4W		HOUR 02.7		AREA 05		CLCUO T/A		CL/TR		WEATHER X6		OR BG 011 724		1 SQUARE 46	

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.15	32.84	26.39	00.000	1445.6							
02.7	OBS	00005	- 0.15	32.84	26.39		1445.7							
	STD	00010	- 0.16	32.84	26.39	00.018	1445.7							
	OBS	00011	- 0.16	32.84	26.39		1445.7							
	OBS	00019	- 0.47	32.75	26.37		1444.4							
	STD	00020	- 0.56	32.85	26.42	00.033	1444.0							
	OBS	00020	- 0.64	32.90	26.46		1443.8							
	STD	00030	- 0.93	33.00	26.55	00.048	1442.7							
	OBS	00030	- 0.94	33.00	26.55		1442.7							
	STD	00050	- 1.15	33.06	26.62	00.077	1442.1							
	OBS	00051	- 1.16	33.09	26.63		1442.1							
	STD	00075	- 1.39	33.33	26.64	00.110	1441.7							
	OBS	00076	- 1.40	33.34	26.84		1441.7							
	STD	C0100	- 1.55	33.37	26.87	00.140	1441.5							
	OBS	00100	- 1.56	33.36	26.88		1441.4							
	OBS	00102	- 1.58	33.41	26.90		1441.4							
	STD	00175	- 1.10	33.52	26.98	00.169	1444.2							
	OBS	00125	- 1.09	33.52	26.98		1444.3							
	STD	00150	- 0.70	33.57	27.00	00.196	1446.6							
	OBS	00157	- 0.67	33.57	27.00		1446.7							
	OBS	00177	- 0.48	33.62	27.04		1448.1							
	STD	00200	00.29	33.79	27.13	00.246	1452.2							
	OBS	00203	00.36	33.81	27.15		1452.6							
	OBS	00213	00.46	33.87	27.19		1453.4							
	OBS	00217	00.72	33.96	27.26		1454.7							
	OBS	00228	00.79	33.98	27.26		1455.2							
	STD	00250	01.06	34.11	27.35	00.287	1457.1							
	OBS	00251	01.09	34.12	27.35		1457.2							
	OBS	00276	01.31	34.26	27.45		1458.7							
	STD	00300	01.48	34.32	27.49	00.321	1460.0							
	OBS	00300	01.45	34.32	27.49		1460.0							
	OBS	00350	01.74	34.43	27.56		1462.1							
	STD	00400	02.03	34.50	27.59	00.375	1464.3							
	OBS	00401	02.04	34.50	27.59		1464.4							
	OBS	00405	02.07	34.51	27.60		1464.6							
	OBS	00451	02.78	34.68	27.67		1468.7							
	STD	00500	03.22	34.79	27.72	00.426	1471.5							
	OBS	00500	03.27	34.79	27.72		1471.5							
	OBS	C0550	03.19	34.77	27.71		1472.7							
	STD	00600	03.37	34.87	27.73	00.469	1473.6							
	OBS	00601	03.37	34.82	27.73		1473.9							
	OBS	00651	03.47	34.85	27.74		1475.2							
	STD	00700	03.49	34.86	27.75	00.511	1476.1							
	OBS	00700	03.49	34.86	27.75		1476.1							
	STD	00800	03.55	34.84	27.73	00.554	1478.0							
	OBS	00800	03.55	34.84	27.73		1478.0							
	STD	00900	03.54	34.87	27.75	00.598	1479.6							
	OBS	00900	03.54	34.87	27.75		1479.6							
	STD	01000	03.50	34.87	27.76	00.641	1481.1							
	OBS	01000	03.50	34.87	27.76		1481.1							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 02085	AIR TEMP 01.7	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0038	MONTH 04	SHIP EV	WET BULB 01.7	99 X X	WIND-SPD 26	TRACE DIR E	5 SQUARE 2
LAT 44 39 N	DAY 13	DATA USE 1	BAROMETR 0994.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 43 W	HOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG 011 727	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	- 0.30	32.96	26.50	00.000	1445.1							
05.8	OBS	00000	- 0.30	32.96	26.50		1445.1							
	STD	00010	- 0.34	32.97	26.51	00.015	1445.1							
	OBS	00011	- 0.35	32.97	26.51		1445.0							
	STD	00020	- 0.41	32.98	26.52	00.031	1444.9							
	OBS	00020	- 0.41	32.98	26.52		1444.9							
	STD	00030	- 0.44	32.99	26.53	00.046	1445.0							
	OBS	00030	- 0.44	32.99	26.53		1445.0							
	OBS	00036	- 0.43	32.99	26.53		1445.1							
	OBS	00038	- 0.53	33.02	26.55		1444.7							
	OBS	C0040	- 0.47	33.00	26.54		1445.0							
	OBS	00043	- 0.82	33.00	26.55		1443.4							
	STD	00050	- 0.75	33.07	26.61	00.075	1444.0							
	OBS	00051	- 0.75	33.09	26.62		1444.0							
	STD	00075	- 1.54	33.34	26.84	C0.109	1441.1							
	OBS	00076	- 1.55	33.35	26.85		1441.0							
	OBS	00079	- 1.58	33.40	26.90		1441.0							
	OBS	00085	- 1.43	33.40	26.89		1441.8							
	OBS	00089	- 1.45	33.45	26.93		1441.7							
	STD	00100	- 0.94	33.58	27.02	00.137	1444.6							
	OBS	00102	- 0.61	33.61	27.04		1445.3							
	STD	00125	- 0.12	33.70	27.08	00.182	1449.0							
	OBS	00125	- 0.10	33.70	27.08		1449.1							
	OBS	00127	- 0.17	33.71	27.10		1448.8							
	OBS	00131	- 0.12	33.78	27.15		1449.2							
	OBS	00133	00.28	33.86	27.19		1451.2							
	STD	00150	00.82	34.00	27.27	00.185	1454.1							
	OBS	00150	00.83	34.00	27.27		1454.2							
	OBS	00175	00.95	34.10	27.35		1455.2							
	STD	00200	01.23	34.21	27.42	00.222	1457.1							
	OBS	00203	01.27	34.23	27.43		1457.3							
	OBS	00226	01.54	34.37	27.52		1459.1							
	STD	C0250	01.67	34.42	27.55	00.252	1460.1							
	OBS	00251	01.68	34.42	27.55		1460.2							
	OBS	00276	01.86	34.47	27.58		1461.5							
	OBS	00297	02.06	34.52	27.60		1462.8							
	STD	00300	02.21	34.54	27.61	00.279	1463.5							
	OBS	00302	02.33	34.56	27.61		1464.1							
	OBS	00333	02.70	34.62	27.63		1466.3							
	OBS	00346	03.31	34.70	27.64		1469.2							
	OBS	00350	03.37	34.71	27.64		1469.6							
	OBS	00367	03.47	34.72	27.64		1470.3							
	OBS	00365	03.78	34.79	27.66		1471.7							
	OBS	00386	03.82	34.80	27.67		1472.2							
	OBS	00392	03.92	34.80	27.66		1472.7							
	OBS	00397	03.72	34.79	27.67		1471.9							
	STD	00400	03.77	34.60	27.67	00.327	1472.2							
	OBS	00401	03.80	34.80	27.67		1472.4							
	OBS	00422	03.96	34.82	27.67		1473.4							
	OBS	00428	03.53	34.75	27.66		1471.6							
	OBS	C0434	03.42	34.76	27.68		1471.2							
	OBS	00437	03.21	34.72	27.66		1470.3							
	OBS	00451	03.22	34.75	27.69		1470.6							
	OBS	00474	03.35	34.79	27.71		1471.6							
	OBS	00483	03.37	34.79	27.70		1471.9							
	STD	C0500	03.41	34.80	27.71	00.373	1472.4							
	OBS	00502	03.42	34.80	27.71		1472.4							
	OBS	00550	03.46	34.82	27.72		1473.4							
	STD	00600	03.58	34.84	27.72	00.417	1474.8							
	OBS	00601	03.58	34.84	27.72		1474.8							
	OBS	00612	03.6C	34.87	27.75		1475.1							
	OBS	00616	03.83	34.89	27.74		1476.2							
	OBS	00654	04.16	34.94	27.74		1478.3							
	OBS	00692	03.94	34.91	27.74		1477.5							
	STD	00700	03.69	34.86	27.73	00.460	1476.9							
	OBS	00700	03.67	34.86	27.73		1476.8							
	OBS	00750	03.55	34.86	27.74		1477.2							
	OBS	00755	03.51	34.86	27.75		1477.8							
	STD	00800	03.51	34.86	27.75	00.503	1477.8							
	OBS	00801	03.51	34.86	27.75		1477.8							
	OBS	C0850	03.46	34.87	27.76		1478.5							
	STD	00900	03.43	34.87	27.76	00.546	1479.2							
	OBS	00900	03.43	34.87	27.76		1479.2							
	OBS	00951	03.40	34.86	27.76		1479.9							
	STD	01000	03.42	34.87	27.76	00.588	1480.8							
	OBS	01001	03.42	34.87	27.76		1480.8							
	OBS	01020	03.39	34.86	27.76		1481.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8434	YEAR 1975	BOTOP 03186	AIR TEMP 01.0	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SO 1306
CONSEC 0235	MONTH 04	SHIP EV	WET BULB 00.8	33 5 4	WIND-SPD 38	TRACE DIR C	5 SQUARE 2
LAT 44 34 N	DAY 13	DATA USE 1	BAROMETR 0994.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 11.5W	HOUR	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	OR IG 011 728	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.43	33.08	26.60	00.000	1444.6							
	OBS	00001	- 0.43	33.08	26.60		1444.7							
	OBS	00009	- 0.47	33.07	26.59		1444.6							
	STD	00010	- 0.47	33.08	26.60	00.014	1444.6							
	OBS	00011	- 0.46	33.09	26.61		1444.6							
	STD	00020	- 0.49	33.12	26.63	00.029	1444.6							
	OBS	00020	- 0.52	33.12	26.63		1444.6							
	OBS	00022	- 0.61	33.10	26.67		1444.2							
	STD	00030	- 0.85	33.10	26.63	00.043	1443.2							
	OBS	00030	- 0.90	33.10	26.63		1443.0							
	OBS	00032	- 1.12	33.17	26.70		1442.1							
	OBS	00038	- 1.13	33.25	26.76		1442.2							
	OBS	00040	- 1.24	33.34	26.84		1441.9							
	OBS	00043	- 1.20	33.37	26.86		1442.2							
	STD	00050	- 1.06	33.40	26.88	00.065	1443.0							
	OBS	00051	- 0.76	33.41	26.88		1444.4							
	OBS	00057	01.45	33.86	27.12		1455.2							
	OBS	00059	01.85	33.86	27.11		1457.0							
	OBS	00062	02.95	34.00	27.11		1462.1							
	OBS	00072	03.42	34.06	27.12		1464.3							
	STD	00075	03.23	34.03	27.11	00.096	1463.5							
	OBS	00076	03.21	34.02	27.11		1463.4							
	OBS	00078	03.27	34.05	27.12		1463.8							
	OBS	00081	03.48	34.09	27.14		1464.8							
	OBS	00089	01.34	34.07	27.26		1455.5							
	OBS	00091	01.74	34.05	27.25		1457.3							
	OBS	00095	02.78	34.14	27.24		1462.1							
	STD	00100	01.33	34.00	27.24	00.118	1455.6							
	OBS	00104	00.32	33.91	27.23		1451.0							
	STD	00125	00.87	34.10	27.35	00.138	1453.8							
	OBS	00125	00.83	34.10	27.35		1453.9							
	STD	00150	01.32	34.26	27.45	00.155	1456.7							
	OBS	00152	01.36	34.27	27.46		1456.9							
	OBS	00175	01.65	34.37	27.52		1458.7							
	OBS	00198	01.86	34.46	27.57		1460.2							
	STD	00200	02.01	34.48	27.58	00.185	1460.9							
	OBS	00203	02.24	34.50	27.57		1462.0							
	OBS	00205	02.33	34.50	27.57		1462.4							
	OBS	00230	03.39	34.64	27.58		1467.6							
	OBS	00237	03.45	34.63	27.57		1468.1							
	OBS	00239	03.49	34.65	27.58		1468.2							
	OBS	00247	03.78	34.74	27.62		1469.7							
	STD	00250	03.93	34.75	27.62	00.210	1470.4							
	OBS	00257	04.16	34.77	27.61		1471.4							
	OBS	00258	04.17	34.77	27.61		1471.5							
	OBS	00266	04.67	34.87	27.63		1473.9							
	OBS	00268	04.69	34.85	27.61		1474.0							
	OBS	00272	04.78	34.88	27.63		1474.4							
	OBS	00285	04.77	34.88	27.63		1474.6							
	OBS	00289	04.73	34.88	27.63		1474.5							
	STD	00300	04.64	34.87	27.64	00.235	1474.3							
	OBS	00307	04.62	34.87	27.64		1474.3							
	OBS	00352	04.62	34.91	27.67		1475.1							
	STD	00400	04.64	34.96	27.71	00.283	1476.1							
	OBS	00401	04.64	34.96	27.71		1476.1							
	OBS	00451	04.60	34.96	27.71		1476.7							
	STD	00500	04.55	34.98	27.73	00.326	1477.4							
	OBS	00502	04.55	34.98	27.73		1477.4							
	OBS	00550	04.53	34.98	27.73		1478.1							
	STD	00600	04.40	34.97	27.74	00.369	1478.4							
	OBS	00603	04.39	34.97	27.74		1478.4							
	OBS	00652	04.32	34.96	27.74		1478.9							
	STD	00700	04.23	34.97	27.76	00.411	1479.3							
	OBS	00700	04.23	34.97	27.76		1479.3							
	OBS	00750	04.17	34.96	27.76		1479.9							
	STD	00800	04.16	34.96	27.76	00.454	1480.7							
	OBS	00801	04.16	34.96	27.76		1480.7							
	OBS	00852	04.08	34.96	27.77		1481.2							
	STD	00900	04.01	34.95	27.77	00.497	1481.7							
	OBS	00902	04.01	34.95	27.77		1481.8							
	OBS	00953	03.58	34.95	27.77		1482.5							
	STD	01000	03.92	34.95	27.78	00.539	1483.0							
	OBS	01001	03.92	34.95	27.78		1483.0							
	OBS	01012	03.89	34.94	27.77		1483.1							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 03475	AIR TEMP 02.5	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0340	MONTH 04	SHIP EV	WET BULB 02.4	11 3 2	WIND-SPD 28	TRACE DIR 0	5 SQUARE 2
LAT 44 29 N	DAY 13	DATA USE 1	BAROMETR 1007.0	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 47.9w	HOUR 12.7	AREA 05	CLOUD T/4	CL/TR	WEATHER 81	ORIG 011 729	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH.
	STD	00000	02.26	33.46	26.74	00.000	1457.3							
12.7	OBS	00005	02.26	33.46	26.74		1457.4							
	STD	00010	02.25	33.46	26.74	00.013	1457.4							
	OBS	00011	02.25	33.46	26.74		1457.4							
	STD	00020	02.25	33.48	26.76	00.026	1457.6							
	OBS	00020	02.25	33.48	26.76		1457.6							
	STD	00030	02.15	33.48	26.77	00.039	1457.3							
	OBS	00030	02.13	33.49	26.78		1457.3							
	OBS	00034	01.96	33.58	26.84		1456.7							
	STD	00050	02.01	33.76	27.00	00.063	1457.4							
	OBS	00051	02.01	33.77	27.01		1457.5							
	OBS	00059	01.86	33.81	27.05		1457.0							
	OBS	00062	01.72	33.81	27.06		1456.4							
	STD	00075	01.49	33.88	27.13	00.088	1455.7							
	OBS	00076	01.42	33.89	27.15		1455.4							
	OBS	00079	01.12	33.93	27.20		1454.2							
	OBS	00087	01.20	33.93	27.19		1454.7							
	OBS	00089	00.86	33.94	27.22		1453.2							
	OBS	00093	00.99	34.02	27.28		1454.0							
	OBS	00097	01.79	34.12	27.31		1457.7							
	OBS	00099	01.86	34.14	27.32		1458.1							
	STD	00100	02.04	34.16	27.32	00.109	1458.9							
	OBS	00106	02.97	34.28	27.34		1463.3							
	STD	00125	02.92	34.33	27.38	00.128	1463.4							
	OBS	00125	02.92	34.34	27.39		1463.4							
	OBS	00127	03.09	34.37	27.40		1464.2							
	OBS	00133	03.99	34.49	27.40		1468.3							
	OBS	00140	03.89	34.53	27.45		1468.1							
	OBS	00144	04.33	34.58	27.44		1470.1							
	STD	00150	04.58	34.64	27.46	00.145	1471.3							
	OBS	00150	04.59	34.64	27.46		1471.3							
	OBS	00156	04.58	34.63	27.45		1471.4							
	OBS	00158	04.56	34.61	27.44		1471.3							
	OBS	00159	04.50	34.61	27.44		1471.1							
	OBS	00175	04.59	34.68	27.49		1471.8							
	OBS	00178	04.55	34.67	27.48		1471.8							
	OBS	00194	05.19	34.79	27.51		1474.7							
	STD	00200	04.95	34.75	27.50	00.176	1473.8							
	OBS	00201	04.89	34.74	27.50		1473.5							
	OBS	00218	04.66	34.76	27.55		1472.9							
	OBS	00226	04.53	34.82	27.56		1474.2							
	OBS	00228	04.54	34.81	27.55		1474.3							
	OBS	00234	04.47	34.73	27.54		1472.3							
	OBS	00237	04.27	34.71	27.55		1471.5							
	OBS	00243	04.93	34.87	27.60		1474.6							
	OBS	00245	04.96	34.89	27.61		1474.8							
	STD	00250	05.02	34.90	27.61	00.205	1475.1							
	OBS	00251	05.15	34.91	27.61		1475.6							
	OBS	00276	05.14	34.91	27.61		1476.0							
	STD	00300	04.90	34.88	27.61	00.231	1475.4							
	OBS	00300	04.89	34.88	27.61		1475.4							
	OBS	00350	04.59	34.89	27.66		1474.9							
	STD	00400	04.69	34.95	27.69	00.279	1476.3							
	OBS	00401	04.69	34.95	27.69		1476.3							
	OBS	00451	04.66	34.97	27.71		1477.0							
	STD	00500	04.65	34.99	27.72	00.324	1478.0							
	OBS	00504	04.65	34.99	27.72		1478.0							
	OBS	00550	04.64	34.99	27.73		1478.6							
	STD	00600	04.42	34.96	27.73	00.366	1478.5							
	OBS	00601	04.42	34.96	27.73		1478.5							
	OBS	00651	04.41	34.97	27.74		1479.3							
	STD	00700	04.28	34.96	27.75	00.412	1479.5							
	OBS	00700	04.28	34.96	27.75		1479.5							
	OBS	00750	04.21	34.96	27.75		1480.1							
	STD	00800	04.17	34.95	27.75	00.455	1480.7							
	OBS	00801	04.17	34.95	27.75		1480.7							
	OBS	00850	04.05	34.95	27.76		1481.1							
	STD	00900	04.01	34.96	27.77	00.498	1481.7							
	OBS	00900	04.01	34.96	27.77		1481.7							
	OBS	00953	03.96	34.95	27.77		1482.4							
	OBS	00968	03.99	34.95	27.77		1482.8							
	OBS	00970	03.99	34.96	27.78		1482.8							
	OBS	00972	03.99	34.96	27.78		1482.9							
	STD	01000	03.94	34.95	27.77	00.541	1483.1							
	OBS	01001	03.94	34.95	27.77		1483.1							
	OBS	01035	03.94	34.95	27.77		1483.7							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FEFIO	31	8454	YEAR	1975	BOTOP	03711	AIA TEMP	03.7	DIR FGT PER			WIND-CIR	27	INST STD RECORDER			TEN SQ	1306
CONSEC		0041	MONTH	04	SHIP	EV	WET BULB	02.9	02	3	7	WIND-SPD	26	TRACE DIR		D	5 SQUARE	2
LAT	44	21.8N	DAY	13	DATA USE	1	BARCMETR	1009.5	SEA			WIND-FOR		DURATION		00.8	2 SQUARE	46
LCNG	047	17.4W	HOUR	16.0	AREA	05	CLOUD T/A		CL/TR			WEATHER	A2	ORIG 011 730			1 SQUARE	47

CASTNUM/TIME	LVLTYP	CEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT-P	NC2	NC3	SIO3	PN
	3TO	00000	05.87	34.18	26.94	00.000	1473.5							
16.0	OBS	00005	05.87	34.18	26.94		1473.6							
	STD	C0010	05.86	34.19	26.95	00.011	1473.6							
	OBS	00011	05.86	34.19	26.95		1473.6							
	STC	00020	05.86	34.22	26.97	00.022	1473.8							
	OBS	00020	05.87	34.27	26.97		1473.9							
	3TO	00030	06.08	34.29	27.00	00.033	1474.9							
	OBS	00032	06.13	34.32	27.02		1475.2							
	OBS	00034	06.17	34.35	27.04		1475.5							
	OBS	00036	06.29	34.39	27.05		1476.0							
	OBS	00045	07.23	34.56	27.08		1480.2							
	OBS	00049	07.09	34.55	27.07		1479.6							
	STD	00050	07.11	34.56	27.08	00.054	1479.7							
	OBS	00053	07.19	34.61	27.11		1480.2							
	STD	00075	07.00	34.56	27.09	00.079	1479.7							
	OBS	00076	06.98	34.56	27.10		1479.6							
	OBS	00078	06.94	34.57	27.11		1479.5							
	OBS	00081	C7.10	34.61	27.12		1480.3							
	OBS	00085	07.59	34.71	27.13		1482.4							
	OBS	00099	07.60	34.75	27.16		1482.7							
	STD	00100	07.53	34.72	27.14	00.103	1482.4							
	OBS	00100	07.47	34.69	27.13		1482.1							
	OBS	00106	07.06	34.62	27.13		1480.5							
	OBS	00110	07.07	34.69	27.19		1480.7							
	OBS	00112	07.41	34.75	27.18		1482.2							
	OBS	00123	07.32	34.77	27.21		1482.0							
	STD	00125	07.65	34.81	27.19	00.126	1483.5							
	OBS	00125	07.82	34.83	27.19		1484.1							
	OBS	00133	07.32	34.76	27.21		1482.2							
	OBS	00135	06.81	34.70	27.23		1480.1							
	OBS	00142	06.73	34.74	27.27		1480.0							
	OBS	00146	06.27	34.63	27.25		1478.1							
	STD	00150	06.19	34.65	27.27	00.148	1477.8							
	OBS	00150	06.17	34.65	27.28		1477.6							
	OBS	00154	05.91	34.56	27.24 •		1476.7							
	OBS	C0156	05.91	34.64	27.30		1476.8							
	OBS	00161	05.24	34.48	27.26 •		1474.0							
	OBS	00175	05.17	34.54	27.31		1474.0							
	OBS	00177	05.13	34.57	27.34		1473.9							
	OBS	00178	05.30	34.65	27.38		1474.7							
	OBS	00184	05.12	34.67	27.42		1474.1							
	OBS	00186	05.34	34.70	27.42		1475.1							
	STD	00200	05.43	34.72	27.42	00.188	1475.7							
	OBS	00201	05.46	34.72	27.42		1475.8							
	OBS	00207	05.55	34.74	27.42		1476.5							
	OBS	00213	05.34	34.70	27.42		1475.5							
	OBS	00222	05.23	34.67	27.41		1475.2							
	OBS	00226	04.94	34.62	27.40		1474.0							
	OBS	00247	04.73	34.66	27.46		1473.5							
	STD	00250	04.39	34.63	27.47	00.220	1472.1							
	OBS	00251	04.28	34.62	27.48		1471.7							
	OBS	00257	04.33	34.64	27.49		1472.0							
	OBS	00262	04.68	34.71	27.50		1473.6							
	OBS	00277	05.48	34.84	27.51		1477.3							
	STD	00300	05.75	34.92	27.54	00.251	1478.9							
	OBS	00302	05.76	34.92	27.54		1479.0							
	OBS	00329	05.50	34.90	27.56		1478.3							
	OBS	00352	05.56	34.96	27.60		1479.1							
	STD	00400	05.37	34.99	27.64	00.306	1479.1							
	OBS	00401	05.36	34.99	27.65		1479.1							
	OBS	00453	04.94	34.96	27.67		1478.2							
	STD	00500	04.66	34.96	27.70	00.354	1477.8							
	OBS	00500	04.66	34.96	27.70		1477.8							
	OBS	00550	04.32	34.93	27.72		1477.2							
	STD	00600	04.17	34.92	27.73	00.399	1477.4							
	OBS	00601	04.16	34.92	27.73		1477.3							
	OBS	00651	03.79	34.88	27.73		1476.6							
	STD	00700	04.04	34.93	27.75	00.442	1478.5							
	OBS	00702	04.05	34.93	27.75		1478.6							
	OBS	00750	04.01	34.92	27.74		1479.2							
	STD	C0800	03.92	34.92	27.75	00.485	1479.6							
	OBS	00801	03.92	34.92	27.75		1479.7							
	OBS	00852	03.81	34.93	27.76		1480.1							
	STO	00900	03.53	34.88	27.76	00.528	1479.6							
	OBS	C0900	03.53	34.88	27.76		1479.6							
	OBS	00953	03.47	34.87	27.76		1480.2							
	OBS	00972	03.46	34.88	27.77		1480.5							
	STC	01000	03.47	34.87	27.76	00.571	1481.0							
	OBS	01001	03.47	34.87	27.76		1481.0							
	OBS	01022	03.53	34.88	27.76		1481.6							

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Table 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID	31	0454	YEAR	1975	BOTOP 03513	AIR TEMP	03.9	DIR +GT PER			WIND-DIR 28	INST STC RECORDER		TEM SQ 1306
CONSEC		0042	MONTH	04	SHIP EV	WET BULB	03.2	20	6	5	WIND-SPD 14	TRACE DIR	0	5 SQUARE 2
LAT	44 11.8N		DAY	13	DATA USE 1	BAROMETR 1012.9	SEA				WIND-FOR	DURATION	00.4	2 SQUARE 46
LONG	046 35.5W		HOUR 21.8		AREA 05	CLOUD 7/A	CL/TR				WEATHER X1	ORIG 011 731		1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.18	34.16	26.89	00.000	1474.7							
21.8	OBS	00001	06.18	34.16	26.89		1474.7							
	STD	00010	06.19	34.18	26.89	00.012	1474.9							
	OBS	00011	06.19	34.18	26.85		1474.9							
	STD	00020	06.20	34.17	26.89	00.023	1475.1							
	OBS	00020	06.20	34.17	26.89		1475.1							
	STD	00030	06.25	34.21	26.92	00.035	1475.5							
	OBS	00030	06.25	34.21	26.92		1475.5							
	STD	00050	06.33	34.28	26.96	00.058	1476.3							
	OBS	00051	06.34	34.29	26.97		1476.3							
	OBS	00053	06.24	34.30	26.59		1476.0							
	OBS	00066	05.69	34.33	27.08		1474.0							
	OBS	00070	05.41	34.34	27.13		1473.0							
	STD	00075	05.34	34.37	27.16	00.083	1472.8							
	OBS	00076	05.33	34.37	27.16		1472.8							
	OBS	00079	05.34	34.36	27.15		1472.9							
	OBS	00081	05.55	34.55	27.22		1475.6							
	OBS	00087	07.29	34.80	27.24		1481.4							
	OBS	00089	07.83	34.80	27.19 *		1482.7							
	STD	00100	07.43	34.74	27.17	00.108	1482.0							
	OBS	00100	07.41	34.73	27.17		1482.0							
	OBS	00108	07.73	34.82	27.19		1483.4							
	OBS	00112	08.12	34.91	27.21		1485.1							
	STD	00125	08.13	34.95	27.24	00.125	1485.4							
	OBS	00127	08.14	34.96	27.24		1485.5							
	STD	00150	08.36	35.02	27.25	00.150	1486.8							
	OBS	00150	08.36	35.02	27.25		1486.8							
	OBS	00156	07.76	34.86	27.22 *		1484.4							
	OBS	00165	07.47	34.87	27.27		1483.4							
	OBS	00173	04.67	34.43	27.28		1471.7							
	OBS	00177	04.32	34.52	27.39		1470.5							
	OBS	00180	05.07	34.60	27.37		1473.7							
	OBS	00182	05.23	34.63	27.38		1474.5							
	OBS	00186	05.05	34.56	27.34 *		1473.7							
	OBS	00196	04.24	34.43	27.33		1470.3							
	STD	00200	03.83	34.43	27.37	00.190	1468.7							
	OBS	00201	03.67	34.42	27.38		1468.0							
	OBS	00211	03.04	34.34	27.38		1465.4							
	OBS	00213	03.04	34.37	27.40		1465.4							
	OBS	00220	04.23	34.65	27.51		1471.0							
	OBS	00237	05.79	34.86	27.49		1478.0							
	OBS	00239	05.87	34.85	27.47		1478.3							
	OBS	00245	05.50 P	34.85	27.520									
	OBS	00247	05.96	34.85	27.46 *		1478.8							
	STD	00250	05.72	34.82	27.47	00.225	1477.8							
	OBS	00253	05.58	34.79	27.46		1477.3							
	OBS	00255	05.59	34.87	27.52		1477.4							
	OBS	00266	06.11	34.93	27.50		1479.8							
	OBS	00276	06.13	34.96	27.53		1480.1							
	STD	00300	06.16	34.98	27.54	00.256	1480.6							
	OBS	00300	06.16	34.98	27.54		1480.6							
	OBS	00350	05.48	34.94	27.59		1478.7							
	OBS	00367	05.16	34.88	27.58		1477.6							
	OBS	00371	04.72	34.86	27.62		1475.8							
	OBS	00352	04.51	34.83	27.62		1475.2							
	OBS	00359	04.03	34.78	27.63		1473.3							
	STD	00400	04.03	34.78	27.63	00.312	1473.3							
	OBS	00403	03.98	34.78	27.63		1473.1							
	OBS	00415	03.87	34.76	27.63		1472.8							
	OBS	00420	04.17	34.84	27.66		1474.3							
	OBS	00428	05.01	34.57	27.67		1478.1							
	OBS	00453	05.18	34.98	27.66		1475.2							
	STD	00500	04.34	34.88	27.68	00.361	1476.4							
	OBS	00500	04.32	34.88	27.68		1476.3							
	OBS	00502	04.24	34.88	27.65		1476.0							
	OBS	00550	04.32	34.93	27.72		1477.2							
	STD	00600	04.35	34.95	27.73	00.407	1478.2							
	OBS	00603	04.35	34.95	27.73		1478.2							
	OBS	00652	04.33	34.95	27.73		1478.9							
	STD	00700	04.15	34.94	27.74	00.451	1479.2							
	OBS	00704	04.18	34.94	27.74		1479.2							
	OBS	00750	04.01	34.93	27.75		1479.2							
	STD	00800	03.98	34.93	27.75	00.494	1479.9							
	OBS	00801	03.98	34.93	27.75		1479.9							
	OBS	00850	04.08	34.96	27.77		1481.2							
	STD	00900	03.91	34.94	27.77	00.537	1481.3							
	OBS	00902	03.90	34.94	27.77		1481.3							
	OBS	00953	03.82	34.92	27.76		1481.8							
	STD	01000	03.74	34.92	27.77	00.575	1482.2							
	OBS	01003	03.73	34.92	27.77		1482.2							
	OBS	01020	03.76	34.92	27.77		1482.6							

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Table 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

STPID 31 6454	YEAR 1975	BOTDP 04023	AIR TEMP 04.2	DIR HGT PEP	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0043	MONTH 04	SHIP EV	WET BULB 03.9	00 X X	WIND-SPD 05	TRACE DIR D	5 SQUARE 2
LAT 44 06 N	DAY 14	DATA USE 1	BAROMETR 1012.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 046 11 •	HOUR 01.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 732	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.44	33.70	26.83	00.000	1462.7							
01.7	OBS	00001	03.44	33.70	26.83		1462.8							
	STD	00010	03.43	33.70	26.83	00.012	1462.5							
	OBS	00011	03.43	53.70	26.83		5462.9							
	STD	00020	03.43	33.70	26.83	00.025	1463.0							
	OBS	00020	03.43	33.70	26.83		1463.0							
	STD	00030	03.44	33.71	26.84	00.037	1463.2							
	OBS	00032	03.44	33.71	26.84		1463.3							
	OBS	00034	03.44	33.71	26.84		1463.3							
	STD	00050	03.34	33.74	26.87	00.061	1463.2							
	OBS	00051	03.33	33.75	26.88		1463.2							
	OBS	00072	04.80	34.02	26.94		1470.1							
	STD	00075	05.23	34.07	26.94	00.090	1472.0							
	OBS	00065	05.34	34.12	26.96		1472.6							
	OBS	00087	05.09	34.10	26.97		1471.6							
	OBS	00091	04.84	34.08	26.95		1470.6							
	STD	00100	03.45	33.95	27.03	00.117	1464.8							
	OBS	00102	03.39	33.95	27.03		1464.5							
	OBS	00106	03.67	34.00	27.03		1466.7							
	OBS	00112	03.53	34.05	27.10		1465.4							
	OBS	00121	01.76	33.92	27.15		1457.7							
	OBS	00123	01.66	33.97	27.19		1457.4							
	STD	00125	01.73	34.02	27.23	00.141	1457.8							
	OBS	00127	01.87	34.07	27.26		1458.5							
	OBS	00125	01.98	34.06	27.24		1459.0							
	OBS	00137	02.67	34.27	27.35		1462.4							
	OBS	00140	02.76	34.26	27.35		1463.0							
	OBS	00146	03.09	34.37	27.40		1464.5							
	STD	00150	03.72	34.41	27.36 •	00.161	1467.4							
	OBS	00152	03.65	34.43	27.37		1466.1							
	OBS	00154	03.67	34.40	27.34 •		1468.0							
	OBS	00155	02.80	34.34	27.40		1463.5							
	OBS	00165	02.97	34.39	27.42		1464.4							
	OBS	00169	03.42	34.46	27.44		1466.5							
	OBS	00173	03.62	34.46	27.42		1467.4							
	OBS	00175	03.62	34.45	27.41		1467.4							
	OBS	00180	03.51	34.47	27.44		1467.0							
	OBS	00188	03.58	34.50	27.45		1467.5							
	OBS	00194	03.30	34.44	27.43		1466.3							
	OBS	00198	02.50	34.37	27.45		1462.8							
	STD	00200	02.68	34.44	27.49	00.195	1463.8							
	OBS	00203	02.98	34.53	27.53		1465.2							
	OBS	00209	03.35	34.54	27.51		1466.9							
	OBS	00213	03.26	34.58	27.55		1466.7							
	OBS	00226	04.22	34.72	27.56		1471.1							
	STD	00250	04.60	34.78	27.57	00.224	1473.2							
	OBS	00251	04.60	34.79	27.58		1473.2							
	OBS	00255	04.59	34.81	27.59		1473.3							
	OBS	00274	04.78	34.67	27.62		1474.4							
	OBS	00279	04.64	34.62	27.60		1473.9							
	OBS	00283	04.59	34.62	27.60		1473.7							
	STD	00300	05.16	34.97	27.66	00.250	1476.6							
	OBS	00302	05.23	34.99	27.66		1476.9							
	OBS	00353	05.07	34.95	27.65		1477.0							
	STD	00400	05.00	34.99	27.69	00.297	1477.6							
	OBS	00401	05.00	34.95	27.65		1477.6							
	OBS	00415	04.68	34.97	27.68		1477.7							
	OBS	00426	04.55	34.92	27.68		1476.1							
	OBS	00451	04.37	34.90	27.69		1475.7							
	OBS	00479	04.42	34.92	27.70		1476.4							
	OBS	00485	04.19	34.86	27.65		1475.5							
	OBS	00498	04.53	34.95	27.71		1477.2							
	STD	00500	04.51	34.95	27.71	00.343	1477.1							
	OBS	00502	04.45	34.95	27.72		1477.1							
	OBS	00504	04.48	34.97	27.73		1477.1							
	OBS	00550	04.76	35.01	27.73		1479.1							
	OBS	00571	04.64	35.00	27.74		1478.5							
	OBS	00580	04.67	35.02	27.75		1479.3							
	STD	00600	04.58	35.00	27.75	00.386	1479.2							
	OBS	00601	04.57	35.00	27.75		1479.2							
	OBS	00652	04.44	35.00	27.76		1479.5							
	STD	00700	04.31	34.97	27.75	00.425	1479.7							
	OBS	00700	04.31	34.97	27.75		1479.7							
	OBS	00757	04.14	34.96	27.76		1479.5							
	STD	00800	0'.05	34.95	27.76	00.472	1480.2							
	OBS	00801	0.05	34.95	27.76		1480.2							
	OBS	00850	03.98	34.95	27.77		1480.8							
	STD	00900	03.98	34.95	27.77	00.514	1481.6							
	OBS	00900	03.98	34.95	27.77		1481.6							
	OBS	00953	03.45	34.94	27.78		1481.9							
	STD	01000	03.75	34.92	27.77	00.557	1482.3							
	OBS	01001	03.75	34.92	27.77		1482.3							
	OBS	01022	03.73	34.92	27.77		1482.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N C O C   S T A T I O N   C A T A

FSFID 31 8454	YEAR 1575	BOTOP 04206	AIR TEMP 05.2	OIR MGT PER	WIND-DIR 00	INST STC RECORDER	TEM SO 1306
CONSEC 0044	MONTH 04	SHIP EV	WET BULB 04.2	00 X X	WIND-SPD 00	TRACE DIR D	S SQUARE 2
LAT 43 58 N	DAY 14	DATA USE 1	BAROMETR 1006.9	SEA	WIND-FDP	DURATION 00.3	2 SQUARE 24
LONG 045 36.5W	HOUR 05.0	AREA 05	CLOUD 7/A	CL/TR	WEATHER X2	ORIG 011 733	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.19	33.83	26.86	00.000	1466.1							
05.0	OBS	00001	04.19	33.83	26.86		1466.1							
	STD	00010	04.19	33.83	26.86	00.012	1466.2							
	OBS	00011	04.19	33.83	26.86		1466.3							
	OBS	00013	04.19	33.83	26.86		1466.3							
	STD	00020	04.19	33.83	26.86	00.024	1466.4							
	OBS	00020	04.19	33.83	26.86		1466.4							
	STD	00030	04.17	33.84	26.87	00.036	1466.5							
	OBS	00030	04.17	33.84	26.87		1466.5							
	STD	00050	04.18	33.97	26.97	00.055	1487.1							
	OBS	00053	04.24	34.00	26.99		1467.4							
	STD	00075	05.05	34.27	27.11	00.085	1471.5							
	OBS	00076	05.07	34.28	27.12		1471.6							
	STD	00100	05.10	34.30	27.13	0C.109	1472.1							
	OBS	00100	05.10	34.30	27.13		1472.2							
	OBS	00102	05.07	34.31	27.14		1472.1							
	STD	00125	05.15	34.41	27.21	00.132	1472.9							
	OBS	00127	05.16	34.42	27.22		1473.0							
	OBS	00129	05.10	34.41	27.22		1472.8							
	OBS	00137	04.48	34.36	27.25		1470.3							
	OBS	00144	04.76	34.48	27.31		1471.7							
	OBS	00148	05.32	34.56	27.31		1474.2							
	STD	00150	05.31	34.55	27.31	00.153	1474.1							
	OBS	00150	05.30	34.55	27.30		1474.1							
	OBS	00152	05.27	34.55	27.31		1474.0							
	OBS	00154	05.48	34.60	27.32		1475.0							
	OBS	00177	05.38	34.63	27.36		1475.0							
	OBS	00184	05.24	34.60	27.35		1474.5							
	OBS	0C190	04.66	34.52	27.36		1472.1							
	OBS	00196	04.76	34.55	27.40		1472.7							
	OBS	00198	05.03	34.66	27.42		1473.9							
	STD	00200	05.01	34.62	27.40	00.191	1473.8							
	OBS	00203	C5.00	34.62	27.40		1473.9							
	OBS	0C205	05.01	34.65	27.42		1474.0							
	OBS	00220	04.53	34.68	27.45		1473.9							
	OBS	00226	04.71	34.61	27.42 •		1473.0							
	OBS	00228	04.70	34.66	27.46		1473.1							
	OBS	00230	05.05	34.72	27.47		1474.6							
	OBS	C0232	05.10	34.71	27.46		1474.9							
	OBS	00237	04.75	34.65	27.45		1473.4							
	OBS	00241	04.73	34.66	27.46		1473.4							
	OBS	00245	05.06	34.73	27.48		1474.9							
	STD	00250	05.14	34.75	27.48	00.225	1475.4							
	OBS	00251	C5.28	34.77	27.48		1476.0							
	OBS	00255	05.97	34.89	27.49		1475.0							
	OBS	00262	05.75	34.88	27.51		1478.4							
	OBS	00268	05.19	34.76	27.50		1475.9							
	OBS	00272	03.85	34.60	27.51		1470.2							
	OBS	00277	03.85	34.63	27.53		1470.3							
	OBS	00287	03.59	34.64	27.52		1471.1							
	OBS	00289	03.78	34.62	27.53		1470.2							
	OBS	00293	C3.77	34.65	27.55		1470.2							
	OBS	00255	04.06	34.72	27.58		1471.8							
	STD	C0300	04.18	34.71	27.56	00.255	1472.2							
	OBS	00300	04.20	34.71	27.56		1472.3							
	OBS	00327	03.85	34.65	27.58		1471.2							
	OBS	00336	04.19	34.74	27.58		1472.9							
	OBS	00350	03.58	34.74	27.60		1472.2							
	OBS	00356	04.16	34.78	27.62		1473.1							
	OBS	00361	04.59	34.86	27.63		1475.1							
	OBS	00365	04.59	34.86	27.63		1475.2							
	OBS	00367	04.62	34.92	27.65		1476.2							
	STD	00400	04.62	34.91	27.65	00.308	1476.8							
	OBS	00405	04.83	34.91	27.66		1476.5							
	OBS	00451	04.95	34.97	27.68		1478.2							
	OBS	00460	04.79	34.95	27.68		1477.7							
	OBS	00470	04.57	34.93	27.69		1476.9							
	STD	00500	04.71	34.96	27.70	00.356	1478.0							
	OBS	00500	04.71	34.96	27.70		1476.0							
	OBS	00504	04.60	34.95	27.70		1477.6							
	OBS	00552	04.36	34.93	27.71		1477.4							
	STD	00600	04.32	34.95	27.73	00.401	1478.0							
	OBS	00601	04.32	34.95	27.73		1478.1							
	OBS	00645	04.21	34.95	27.75		1478.4							
	OBS	00656	04.08	34.95	27.74		1477.9							
	STD	00700	04.08	34.93	27.74	00.445	1478.7							
	OBS	00704	04.08	34.93	27.74		1478.7							
	OBS	00751	04.05	34.94	27.75		1479.4							
	STD	00800	04.01	34.94	27.76	00.487	1480.0							
	OBS	00801	04.01	34.94	27.76		1480.1							
	OBS	00852	03.94	34.94	27.75		1480.6							
	STD	00900	03.98	34.95	27.77	00.530	1481.5							
	OBS	C0900	03.98	34.95	27.77		1481.5							
	OBS	00951	03.90	34.94	27.77		1482.1							
	STD	01000	03.83	34.93	27.77	00.572	1482.6							
	OBS	01001	03.83	34.93	27.77		1482.6							
	OBS	01020	03.82	34.93	27.77		1482.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

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REFID  31  8454      YEAR 1975     BOTOP 04755    AIR TEMP   07.5    DIA HGT PER    WIND-DIA 05    INST STO RECORDER      TEN SO 1306
CONSEC     0045      MONTH 04      SHIP EV        WET BULB   07.0     05  2   4     WIND-SPD 15    TRACE DIA       0      S SQUARE  2
LAT   43 51 N        DAY   14      DATA USE  1    BAROMETR 1006.0    SEA             WIND-FOR       DURATION      00.4     2 SQUARE 24
LONG  045 03 W       HOUR 07.9     AREA      05   CLOUD T/A          CL/TR           WEATHER  X2    ORIG 011 734           1 SQUARE 35
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CASTNUM/TIME	LVLTYP	CEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.55	35.58	26.75	00.000	1508.6							
07.5	OBS	00003	14.95	35.98	26.75		1508.6							
	STD	00010	15.00	35.99	26.75	00.013	1508.8							
	OBS	00011	15.00	35.99	26.75		1508.8							
	STD	00020	15.00	35.98	26.74	00.026	1508.9							
	OBS	00020	15.00	35.98	26.74		1508.9							
	STD	00030	15.00	35.98	26.74	00.039	1509.1							
	OBS	00030	15.00	35.98	26.74		1509.1							
	STD	00050	14.99	35.97	26.74	00.066	1509.4							
	OBS	00051	14.99	35.97	26.74		1509.4							
	STD	00075	14.96	35.96	26.74	00.099	1509.7							
	OBS	00078	14.95	35.96	26.74		1509.7							
	STD	00100	14.88	35.95	26.74	00.133	1509.8							
	OBS	00102	14.85	35.94	26.75		1509.8							
	STD	00125	14.46	35.86	26.77	00.166	1508.6							
	OBS	00127	14.41	35.85	26.77		1508.6							
	STD	00150	13.88	35.82	26.86	00.198	1507.3							
	OBS	00152	13.84	35.81	26.86		1507.2							
	OBS	00175	13.52	35.74	26.88		1506.4							
	STD	00200	13.14	35.68	26.91	00.255	1505.5							
	OBS	00201	13.13	35.68	26.91		1505.5							
	OBS	00226	13.14	35.72	26.94		1506.0							
	STD	00250	12.80	35.63	26.94	00.319	1505.1							
	OBS	00264	12.28	35.51	26.95		1503.4							
	OBS	00270	12.01	35.45	26.95		1502.5							
	OBS	00274	12.73	35.63	26.95		1505.3							
	OBS	00276	11.78	35.41	26.97		1501.8							
	OBS	00281	11.37	35.31	26.97		1500.3							
	STD	00300	10.83	35.22	27.00	00.378	1498.6							
	OBS	00302	10.73	35.21	27.01		1498.2							
	OBS	00316	10.14	35.15	27.06		1496.3							
	OBS	00323	10.87	35.37	27.11		1499.3							
	OBS	00325	10.88	35.36	27.10		1499.3							
	OBS	00335	10.11	35.17	27.08		1496.5							
	OBS	00342	09.44	35.04	27.10		1494.0							
	OBS	00350	09.40	35.08	27.13		1494.0							
	OBS	00357	10.15	35.30	27.18		1497.2							
	STD	00400	09.80	35.27	27.21	00.482	1496.6							
	OBS	00401	09.76	35.26	27.21		1496.4							
	OBS	00432	08.74	35.05	27.22		1492.9							
	OBS	00435	08.35	35.02	27.26		1491.4							
	OBS	00451	08.02	34.98	27.28		1490.4							
	OBS	00453	07.96	35.01	27.31		1490.2							
	OBS	00462	07.56	34.92	27.30		1488.7							
	OBS	00464	07.58	34.94	27.31		1488.9							
	OBS	00470	07.15	34.85	27.30		1487.2							
	OBS	00474	06.91	34.81	27.30		1486.2							
	OBS	00485	06.85	34.86	27.35		1486.3							
	OBS	00494	06.45	34.81	27.36		1484.8							
	STD	00500	06.56	34.88	27.40	00.568	1485.4							
	OBS	00502	06.61	34.91	27.42		1485.7							
	OBS	00553	06.47	34.91	27.44		1486.0							
	OBS	00555	06.44	34.92	27.45		1485.5							
	OBS	00559	06.04	34.85	27.45		1484.3							
	STD	00600	05.80	34.85	27.52	00.639	1484.0							
	OBS	00603	05.78	34.91	27.53		1484.0							
	OBS	00605	05.79	34.92	27.54		1484.1							
	OBS	00612	06.36	35.05	27.57		1486.7							
	OBS	00616	06.36	35.04	27.56		1486.7							
	OBS	00620	05.95	34.96	27.55		1485.0							
	OBS	00622	05.93	34.98	27.57		1485.0							
	OBS	00632	05.36	34.88	27.56		1482.7							
	OBS	00652	05.59	34.97	27.60		1484.1							
	STD	00700	05.44	35.00	27.64	00.695	1484.4							
	OBS	00700	05.44	35.00	27.64		1484.4							
	OBS	00750	05.36	35.02	27.67		1484.5							
	STD	00800	05.02	35.01	27.70	00.752	1484.3							
	OBS	00801	05.01	34.92 P	27.630*										
	OBS	00850	04.78	35.00	27.72		1484.2							
	STD	00900	04.71	35.00	27.73	00.800	1484.7							
	OBS	00900	04.71	35.00	2.73		1484.7							
	OBS	00951	04.71	35.02	27.75		1485.6							
	STD	01000	04.60	35.01	27.75	00.848	1485.9							
	OBS	01001	04.60	35.01	27.75		1485.9							
	OBS	01012	04.55	35.01	27.75		1486.1							
	OBS	01020	04.55	35.00	27.74		1486.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 03682	AIR TEMP 02.9	DIR MGT PER	WIND-DIR 36	INST STD RECORDER	TEM SO 1306
CONSEC 0046	MONTH 04	SHIP EV	WET BULB 02.8	18 2 3	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2
LAT 44 40.5N	DAY 14	DATA USE 1	BAROMETR 1004.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LCNG 046 00.5W	HOUR 15.1	AREA 05	CLOUD 7/8	CL/TR	WEATHER X7	ORIG C11 735 11	1 SQUARE 46

C6STNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.70	33.89	26.96	00.000	1464.1							
15.1	OBS	00003	03.70	33.89	26.96		1464.2							
	STD	00010	03.70	33.89	26.96	00.011	1464.3							
	OBS	00011	03.70	33.89	26.96		1464.3							
	STD	00020	03.71	33.90	26.96	00.022	1464.5							
	OBS	00020	03.71	33.90	26.96		1464.5							
	OBS	00024	03.54	33.88	26.96		1463.8							
	OBS	00026	03.53	33.91	26.99		1463.8							
	STD	00030	03.55	33.92	26.99	00.033	1464.0							
	OBS	00030	03.55	33.92	26.99		1464.0							
	OBS	00034	03.56	33.95	27.02		1464.1							
	OBS	00058	03.81	34.03	27.06		1465.4							
	STD	00050	04.07	34.16	27.13	00.053	1466.8							
	OBS	00051	04.11	34.18	27.14		1467.1							
	OBS	00057	04.31	34.27	27.20		1468.1							
	OBS	00060	04.78	34.32	27.18		1470.2							
	OBS	00064	04.94	34.36	27.20		1471.0							
	OBS	00068	05.41	34.44	27.20		1473.1							
	STD	00075	05.52	34.45	27.20	00.076	1473.6							
	OBS	00076	05.53	34.45	27.20		1473.7							
	OBS	00078	05.54	34.46	27.20		1473.8							
	OBS	00081	05.79	34.50	27.21		1474.9							
	OBS	00087	05.47	34.47	27.22		1473.7							
	OBS	00089	05.66	34.53	27.25		1474.6							
	OBS	00091	06.56	34.68	27.25		1478.4							
	STD	00100	06.58	34.67	27.24	00.098	1478.6							
	OBS	00100	06.58	34.66	27.23		1478.6							
	OBS	00102	06.57	34.64	27.21		1478.6							
	OBS	00110	05.87	34.55	27.23		1475.8							
	OBS	00119	05.72	34.54	27.25		1475.3							
	OBS	00121	05.42	34.49	27.24		1474.1							
	STD	00125	05.47	34.51	27.25	00.119	1474.3							
	OBS	00129	05.53	34.54	27.27		1474.7							
	OBS	00131	06.02	34.63	27.28		1476.8							
	OBS	00137	05.44	34.53	27.27		1474.4							
	OBS	00140	05.24	34.50	27.27		1473.8							
	STD	00150	05.41	34.53	27.27	00.140	1474.5							
	OBS	00152	05.57	34.53	27.27		1475.2							
	OBS	00154	05.61	34.55	27.27		1475.4							
	OBS	00156	05.36	34.50	27.26		1474.4							
	OBS	00163	05.26	34.52	27.29		1474.1							
	OBS	00167	04.95	34.48	27.29		1472.9							
	OBS	00177	04.81	34.47	27.30		1472.4							
	OBS	00180	04.36	34.40	27.29		1470.5							
	OBS	00184	04.37	34.44	27.32		1470.7							
	OBS	00188	03.96	34.37	27.31		1468.9							
	OBS	00190	04.03	34.39	27.32		1469.3							
	OBS	00194	04.36	34.44	27.32		1470.8							
	STD	00200	04.30	34.45	27.34	00.180	1470.7							
	OBS	00201	04.28	34.46	27.35		1470.6							
	OBS	00211	04.63	34.55	27.38		1472.4							
	OBS	00217	05.21	34.65	27.39		1475.0							
	OBS	00228	05.10	34.62	27.38		1474.7							
	OBS	00247	05.16	34.68	27.42		1475.3							
	OBS	00249	04.93	34.66	27.44		1474.4							
	STD	00250	04.92	34.65	27.43	00.216	1474.3							
	OBS	00251	04.90	34.64	27.42		1474.3							
	OBS	00257	04.73	34.66	27.46		1473.7							
	OBS	00268	04.89	34.74	27.50		1474.6							
	OBS	00270	04.73	34.71	27.50		1474.0							
	OBS	00276	05.42	34.82	27.50		1477.0							
	OBS	00289	05.46	34.83	27.51		1477.4							
	STD	00300	04.38	34.69	27.52	00.245	1473.0							
	OBS	00304	04.02	34.64	27.52		1471.5							
	OBS	00332	04.03	34.74	27.60		1472.4							
	OBS	00354	04.06	34.78	27.63		1472.6							
	STD	00400	04.75	34.89	27.64	00.305	1476.4							
	OBS	00401	04.76	34.89	27.64		1476.5							
	OBS	00451	04.46	34.90	27.68		1476.1							
	OBS	00475	04.50	34.92	27.69		1476.7							
	STD	00500	04.32	34.90	27.69	00.353	1476.3							
	OBS	00500	04.32	34.90	27.69		1476.3							
	OBS	00550	04.54	34.96	27.72		1478.1							
	STD	00600	04.51	34.98	27.74	00.398	1478.9							
	OBS	00601	04.51	34.98	27.74		1478.9							
	OBS	00651	04.44	34.98	27.74		1479.4							
	STD	00700	04.33	34.96	27.74	00.442	1479.8							
	OBS	00702	04.33	34.96	27.74		1479.8							
	OBS	00750	04.28	34.98	27.76		1480.4							
	STD	00800	04.14	34.96	27.76	00.485	1480.6							
	OBS	00801	04.14	34.96	27.76		1480.6							
	OBS	00850	04.08	34.96	27.77		1481.2							
	STD	00900	04.03	34.94	27.76	00.528	1481.6							
	OBS	00900	04.03	34.94	27.76		1481.6							
	OBS	00951	03.94	34.94	27.77		1482.3							
	STD	01000	03.96	34.95	27.77	00.571	1483.2							
	OBS	01001	03.96	34.95	27.77		1483.2							
	OBS	01020	03.92	34.95	27.76		1483.3							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

SSFID 31 8454	YEAR 1975	BCTOP 034ST	AIR TEMP 04.1	DIR FGT PER	WIND-DIR 31	INST STO RECORDER	TEM SO 1306
CONSEC 0047	MONTH 04	SHIP EV	WET BULB 03.1	10 2 2	WIND-SPD 16	TRACE DIR D	5 SQUARE 2
LAT 44 59.3N	DAY 14	DATA USE 1	BAROMETA 1005.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 046 34.8W	HOUR 19.2	AREA 05	CLOUD 7/4	CL/TR	WEATHER A2	DR)G 011 736 07	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	03.39	33.88	26.98	00.000	1462.8							
19.2	OBS	00001	03.39	33.88	26.98		1462.8							
	STD	00010	03.40	33.88	26.98	00.011	1463.0							
	OBS	00011	03.40	33.88	26.98		1463.0							
	STD	00020	03.39	33.88	26.98	00.022	1463.1							
	OBS	00022	03.39	33.88	26.98		1463.1							
	STD	D0030	03.39	33.88	26.98	00.033	1463.3							
	OBS	00030	03.39	33.88	26.98		1463.3							
	OBS	00041	03.39	33.87	26.97		1463.4							
	OBS	00043	03.18	33.84	26.97		1462.5							
	STD	C0050	03.10	33.86	26.99	00.054	1462.3							
	OBS	00053	03.05	33.87	27.00		1462.2							
	OBS	00059	02.44	33.88	27.06		1459.6							
	OBS	00060	02.31	33.97	27.14		1459.2							
	OBS	00062	02.38	34.05	27.20		1459.7							
	OBS	00066	03.03	34.19	27.26		1462.7							
	OBS	00072	02.84	34.16	27.25		1462.0							
	OBS	00074	02.92	34.16	27.24		1462.3							
	STD	00075	02.81	34.14	27.24	00.078	1461.9							
	OBS	00078	02.52	34.11	27.24		1460.6							
	OBS	00063	02.53	34.20	27.31		1460.9							
	OBS	00085	03.07	34.28	27.33		1463.3							
	STD	00100	03.45	34.34	27.34	00.098	1465.3							
	OBS	00100	03.53	34.36	27.35		1465.7							
	OBS	00102	03.72	34.40	27.36		1466.6							
	OBS	C0110	03.61	34.38	27.35		1466.2							
	OBS	00119	03.50	34.55	27.46		1467.8							
	OBS	00121	04.28	34.58	27.44		1469.5							
	STD	00125	04.52	34.61	27.44	00.116	1470.5							
	OBS	00125	04.55	34.61	27.44		1470.7							
	OBS	00129	04.67	34.64	27.45		1471.3							
	OBS	00135	05.10	34.73	27.47		1473.3							
	OBS	C0146	04.44	34.80	27.44 *		1470.6							
	STD	00150	04.40	34.85	27.49	00.132	1470.5							
	OBS	00150	04.39	34.86	27.50		1470.5							
	OBS	00175	04.19	34.86	27.53		1470.1							
	STD	00200	03.91	34.75	27.62	00.160	1469.4							
	OBS	00201	C3.90	34.75	27.62		1469.4							
	OBS	00217	C3.90	34.78	27.64		1469.7							
	OBS	00226	04.23	34.80	27.62		1471.3							
	STD	00250	04.39	34.90	27.68	00.184	1472.5							
	OBS	00251	04.40	34.90	27.69		1472.5							
	OBS	00276	04.57	34.92	27.68		1473.7							
	STD	00300	04.57	34.93	27.69	00.206	1474.1							
	OBS	00300	04.57	34.93	27.69		1474.1							
	OBS	C0350	04.57	34.97	27.72		1475.0							
	STD	00400	04.48	34.96	27.72	00.250	1475.4							
	OBS	00401	04.48	34.96	27.72		1475.4							
	OBS	00451	04.41	34.97	27.74		1476.0							
	STD	00500	04.30	34.96	27.74	00.292	1476.3							
	OBS	00500	04.30	34.96	27.74		1476.3							
	OBS	00550	04.23	34.96	27.75		1476.8							
	STD	C0600	04.23	34.97	27.76	00.333	1477.7							
	OBS	00601	04.23	34.97	27.76		1477.7							
	OBS	D0652	04.03	34.95	27.76		1477.7							
	STD	C0700	03.99	34.94	27.76	00.374	1478.3							
	OBS	00700	03.99	34.94	27.76		1478.3							
	OBS	00751	04.04	34.96	27.77		1479.4							
	STD	00800	03.94	34.95	27.77	00.415	1479.8							
	OBS	00801	03.94	34.95	27.77		1479.8							
	OBS	00852	03.92	34.95	27.78		1480.6							
	STD	00900	03.91	34.95	27.78	00.457	1481.3							
	OBS	00900	03.91	34.95	27.78		1481.3							
	OBS	00951	03.87	34.94	27.77		1482.0							
	STD	01000	03.82	34.94	27.78	00.498	1482.6							
	OBS	01001	03.82	34.94	27.78		1482.6							
	OBS	01020	03.82	34.94	27.78		1482.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

ASFIC 31 8454	YEAR 1975	BDTCP 03263	AIR TEMP 01.0	DIR HGT PER	WIND-DIR 03	INST STO RECORDER	TEN SQ 1306
CONSEC 0048	MONTH 04	SHIP EV	WET BULB 00.5	99 X X	WIND-SPD 19	TRACE DIR 0	5 SQUARE 4
LAT 45 13.5N	DAY 14	DATA USE 1	BAROMETR 1007.4	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 4C
LONG 047 02.5W	HOUR 22.2	AREA 05	CLOUD 7/A	CL/TR	WEATHER A2	OR[G 011 737	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.29	33.63	26.87	00.000	1457.7							
22.2	OBS	00003	02.29	33.63	26.87		1457.7							
	STO	00010	02.31	33.64	26.88	00.012	1457.9							
	OBS	00011	02.31	33.64	26.88		1457.9							
	STO	00020	02.30	33.64	26.88	00.024	1458.1							
	OBS	00020	02.30	33.64	26.88		1458.1							
	STO	00030	02.27	33.64	26.88	00.035	1458.1							
	OBS	00030	02.27	33.64	26.88		1458.1							
	OBS	00043	02.93	33.88	27.02		1461.5							
	OBS	00047	03.19	33.92	27.03		1462.7							
	STO	00050	03.25	33.97	27.06	00.057	1463.1							
	OBS	00051	03.30	33.99	27.07		1463.4							
	OBS	00053	03.39	34.01	27.08		1463.8							
	OBS	00055	03.97	34.12	27.11		1466.5							
	STO	00375	04.51	34.35	27.27	00.080	1469.4							
	OBS	00076	04.53	34.39	27.27		1469.5							
	OBS	00078	04.56	34.39	27.26		1469.7							
	OBS	00081	04.33	34.36	27.26		1468.7							
	OBS	00085	04.42	34.43	27.31		1469.3							
	OBS	00091	04.17	34.42	27.33		1468.3							
	OBS	00093	03.85	34.36	27.31		1466.9							
	STO	00100	03.65	34.42	27.36	00.100	1467.1							
	OBS	00100	03.85	34.43	27.37		1467.1							
	OBS	00102	C4.07	34.46	27.37		1468.1							
	OBS	00110	04.12	34.53	27.42		1468.5							
	OBS	00112	04.41	34.56	27.41		1469.8							
	OBS	00119	04.37	34.54	27.40		1469.8							
	STO	00125	03.85	34.44	27.40	00.118	1466.7							
	OBS	00127	03.46	34.42	27.40		1465.5							
	OBS	00133	03.41	34.45	27.43		1465.8							
	OBS	00140	03.64	34.52	27.46		1467.0							
	STO	00150	03.71	34.53	27.46	00.134	1467.5							
	OBS	00152	03.76	34.53	27.46		1467.7							
	OBS	00163	04.14	34.64	27.51		1469.7							
	OBS	00175	04.16	34.63	27.50		1469.9							
	OBS	00196	04.16	34.70	27.55		1470.4							
	STO	00200	04.50	34.76	27.56	00.164	1471.9							
	OBS	00205	04.75	34.81	27.57		1473.1							
	OBS	00209	04.76	34.82	27.58		1473.2							
	OBS	00213	05.15	34.86	27.57		1475.0							
	OBS	00226	04.93	34.80	27.55		1474.2							
	STO	00250	04.34	34.76	27.58	00.192	1472.1							
	OBS	00251	04.32	34.76	27.58		1472.0							
	OBS	00266	04.23	34.78	27.61		1471.9							
	OBS	00268	04.01	34.74	27.60		1471.0							
	OBS	C0276	03.93	34.76	27.62		1470.8							
	OBS	00281	04.19	34.80	27.63		1472.0							
	STO	00300	04.31	34.81	27.62	00.218	1472.9							
	OBS	C0300	04.32	34.81	27.62		1472.9							
	OBS	00306	04.12	34.76	27.62		1472.1							
	OBS	C0310	03.81	34.74	27.62		1470.8							
	OBS	00321	03.73	34.80	27.68		1470.7							
	OBS	00327	04.16	34.87	27.69		1472.7							
	OBS	C0350	04.28	34.87	27.67		1473.6							
	STO	00400	04.60	34.96	27.71	00.265	1475.9							
	OBS	00401	04.60	34.96	27.71		1475.9							
	OBS	00451	04.33	34.94	27.72		1475.6							
	STO	00500	04.17	34.94	27.74	00.308	1475.8							
	OBS	00502	04.17	34.94	27.74		1475.8							
	OBS	00546	04.14	34.94	27.75		1476.4							
	STO	00600	03.90	34.92	27.75	00.349	1476.2							
	STO	00700	03.61	34.90	27.76	00.390	1476.6							
	OBS	00769	03.55	34.89	27.77		1477.5							
	OBS	C0780	03.55	34.89	27.77		1477.7							
	STO	00800	03.63	34.90	27.77	00.431	1476.4							
	OBS	00801	03.64	34.90	27.77		1478.5							
	OBS	00852	03.74	34.91	27.76		1479.7							
	STO	00900	03.65	34.91	27.77	00.472	1480.2							
	OBS	C0900	03.65	34.91	27.77		1480.2							
	OBS	00951	03.51	34.88	27.76		1480.4							
	STO	01000	03.46	34.88	27.77	00.514	1481.0							
	OBS	01001	03.46	34.88	27.77		1481.0							
	OBS	01024	03.46	34.88	27.77		1481.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 02151	AIR TEMP	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1308
CONSEC 0049	MONTH 04	SHIP EV	WET BULB	99 X X	WIND-SPD 12	TRACE DIR C	S SQUARE 4
LAT 45 30 N	DAY 15	DATA USE 1	BAROMETR 1004.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 28 W	HOUR 01.6	AREA 05	CLCUD 7/A	CL/TR	WEATHER X2	ORIG 011 738	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.05	33.25	26.72	00.000	1446.6						
01.6	OBS	00001	- 0.05	33.25	26.72		1446.7						
	OBS	00003	- 0.07	33.25	26.72		1446.6						
	OBS	00007	- 0.07	33.24	26.71		1446.7						
	OBS	00009	00.05	33.38	26.82		1447.4						
	STD	00010	00.32	33.39	26.82	00.013	1448.7						
	OBS	00013	01.81	33.50	26.81		1455.6						
	OBS	00017	02.95	33.64	26.83		1460.8						
	OBS	00019	03.03	33.71	26.88		1461.3						
	STD	00020	03.12	33.71	26.87	00.025	1461.7						
	OBS	00022	03.31	33.74	26.87		1462.6						
	STD	00030	03.49	33.89	26.98	00.036	1463.7						
	OBS	00030	03.50	33.90	26.98		1463.8						
	OBS	00034	03.61	33.95	27.01		1464.4						
	OBS	00038	03.90	34.01	27.03		1465.7						
	OBS	00049	03.65	33.99	27.04		1464.8						
	STD	00050	03.62	33.98	27.04	00.058	1464.7						
	OBS	00053	03.39	33.95	27.03		1463.7						
	OBS	00064	02.19	33.86	27.07		1458.6						
	OBS	00070	02.36	33.90	27.08		1459.5						
	STD	00075	02.11	33.96	27.16	00.082	1458.6						
	OBS	00076	02.06	33.98	27.17		1458.4						
	OBS	00078	01.97	33.96	27.16		1458.0						
	OBS	00085	02.31	34.05	27.21		1459.7						
	OBS	00087	02.32	34.06	27.22		1459.8						
	STD	00100	02.07	34.15	27.31	00.103	1459.1						
	OBS	00100	02.06	34.16	27.32		1459.0						
	STD	00125	02.21	34.28	27.40	00.122	1460.3						
	OBS	00125	02.22	34.28	27.40		1460.3						
	STD	00150	02.57	34.42	27.48	00.138	1462.4						
	OBS	00152	02.63	34.45	27.50		1462.8						
	OBS	00158	02.81	34.54	27.56		1463.8						
	OBS	00159	03.42	34.62	27.56		1466.5						
	OBS	00161	03.56	34.61	27.54		1467.1						
	OBS	00173	03.42	34.58	27.53		1466.7						
	OBS	00177	03.74	34.68	27.58		1468.2						
	OBS	00178	03.82	34.67	27.56		1468.6						
	OBS	00188	04.79	34.82	27.58		1473.0						
	STD	00200	04.84	34.84	27.59	00.167	1473.4						
	OBS	00201	04.85	34.85	27.60		1473.5						
	OBS	00207	05.22	34.89	27.58		1475.2						
	OBS	00211	05.03	34.86	27.58		1474.4						
	OBS	00218	04.50	34.78	27.58		1472.3						
	OBS	00228	04.29	34.76	27.59		1471.5						
	OBS	00247	04.28	34.78	27.60		1471.8						
	STD	00250	04.54	34.84	27.52	00.193	1473.0						
	OBS	00255	04.96	34.94	27.65		1475.0						
	OBS	00276	04.93	34.91	27.63		1475.1						
	STD	00300	04.85	34.96	27.68	00.217	1475.4						
	OBS	00300	04.85	34.96	27.68		1475.5						
	OBS	00352	04.58	34.99	27.69		1476.7						
	STD	00400	04.51	34.94	27.71	00.262	1475.5						
	OBS	00401	04.51	34.94	27.70		1475.5						
	OBS	00451	04.71	35.00	27.73		1477.3						
	STD	00500	04.42	34.95	27.72	00.306	1476.8						
	OBS	00500	04.42	34.95	27.72		1476.8						
	OBS	00550	04.24	34.96	27.75		1476.9						
	STD	00600	04.16	34.95	27.75	00.349	1477.4						
	OBS	00601	04.16	34.95	27.75		1477.4						
	OBS	00651	04.12	34.95	27.76		1478.0						
	STD	00700	04.04	34.94	27.76	00.391	1478.5						
	OBS	00702	04.03	34.94	27.76		1478.5						
	OBS	00750	03.89	34.93	27.76		1478.7						
	STD	00800	03.74	34.91	27.76	00.432	1478.9						
	OBS	00803	03.74	34.91	27.76		1478.9						
	OBS	00850	03.78	34.93	27.77		1479.9						
	STD	00900	03.74	34.92	27.77	00.474	1480.5						
	OBS	00900	03.74	34.92	27.77		1480.6						
	OBS	00951	03.67	34.91	27.77		1481.1						
	STD	01000	03.64	34.91	27.77	00.516	1481.8						
	OBS	01001	03.64	34.91	27.77		1481.8						
	OBS	01018	03.64	34.92	27.78		1482.1						

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8454	YEAR 1975	BOTDP 01312	AIR TEMP 00.2	DIR HGT PER	WIND-DIR 27	INST STO RECORDER	TEN SQ 1306
CONSEC 0050	MONTH 04	SHIP EV	WET BULB -00.5	99 X X	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 45 40 N	DAY 15	DATA USE 1	BAROMETR 1004.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 44 W	HOUR 04.1	AREA 05	CLCUD 7/A	CL/TR	WEATHER A2	ORIG 011 735	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.66	32.96	26.51	00.000	1443.4							
04.1	OBS	00001	- 0.66	32.96	26.51		1443.4							
	STD	00010	- 0.65	32.97	26.52	00.015	1443.6							
	OBS	00011	- 0.65	32.97	26.52		1443.7							
	STD	00020	- 0.78	32.99	26.54	00.030	1443.2							
	OBS	00022	- 0.83	33.00	26.55		1443.0							
	STD	C0030	- 0.95	33.04	26.58	00.045	1442.7							
	OBS	00030	- 0.96	33.04	26.59		1442.6							
	OBS	00043	- 1.23	33.24	26.76		1441.9							
	STD	00050	- 1.19	33.34	26.84	00.072	1442.3							
	OBS	00051	- 1.19	33.37	26.86		1442.4							
	OBS	00055	- 1.20	33.45	26.93		1442.5							
	STD	00075	00.17	33.80	27.15	00.099	1449.6							
	OBS	00076	00.22	33.81	27.16		1449.9							
	STD	00100	00.47	33.98	27.26	00.120	1451.7							
	OBS	00100	00.49	33.99	27.29		1451.8							
	STD	00125	01.14	34.11	27.34	00.140	1455.3							
	OBS	00125	01.15	34.11	27.34		1455.3							
	STD	00150	01.37	34.25	27.44	00.157	1456.9							
	OBS	00150	01.37	34.25	27.44		1456.9							
	OBS	00175	01.52	34.30	27.47		1458.1							
	STD	00200	01.61	34.38	27.53	00.188	1459.0							
	OBS	00201	01.63	34.39	27.53		1459.1							
	OBS	00226	02.11	34.50	27.58		1461.8							
	STD	00250	02.04	34.51	27.60	00.215	1461.9							
	OBS	00251	02.04	34.51	27.60		1461.9							
	OBS	00277	02.08	34.55	27.63		1462.6							
	OBS	00295	02.20	34.58	27.64		1463.4							
	STD	00300	02.39	34.61	27.65	00.240	1464.4							
	OBS	00300	02.43	34.62	27.65		1464.6							
	OBS	00302	02.54	34.64	27.66		1465.1							
	OBS	00308	02.88	34.68	27.66		1466.7							
	OBS	00352	03.11	34.75	27.70		1468.5							
	STD	00400	03.55	34.83	27.72	00.284	1471.3							
	OBS	00401	03.56	34.83	27.72		1471.4							
	OBS	00453	03.56	34.84	27.73		1472.3							
	STD	00500	03.55	34.85	27.73	00.326	1473.0							
	OBS	00500	03.55	34.85	27.73		1473.0							
	OBS	00550	03.53	34.86	27.74		1473.8							
	STD	C0600	03.49	34.86	27.75	00.367	1474.4							
	OBS	00601	03.49	34.86	27.75		1474.4							
	OBS	00651	03.49	34.86	27.75		1475.3							
	STD	00700	03.46	34.86	27.75	00.408	1476.0							
	OBS	00700	03.46	34.86	27.75		1476.0							
	OBS	00751	03.46	34.86	27.75		1476.8							
	STD	00800	03.43	34.86	27.76	00.450	1477.4							
	OBS	00803	03.40	34.66	27.76		1477.4							
	OBS	00850	03.38	34.66	27.76		1478.1							
	STD	00900	03.37	34.66	27.76	00.451	1478.9							
	OBS	00900	03.37	34.66	27.76		1478.9							
	OBS	00951	03.37	34.86	27.76		1479.8							
	STD	01000	03.37	34.86	27.76	00.534	1480.6							
	OBS	01003	03.37	34.86	27.76		1480.6							
	OBS	01020	03.37	34.86	27.76		1480.9							

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NODC STATION DATA

REFIO 31 8454	YEAR 1975	BOTOP 00460	AIR TEMP 00.5	DIR HGT PER	WIND-DIR 16	INST STD RECORDER	TEN SQ 1306
CONSEC 0051	MONTH 04	SHIP EV	WET BULB -00.3	59 X X	WIND-SPD 36	TRACE DIR D	5 SQUARE 4
LAT 45 45.4N	DAY 15	DATA USE 1	BARCMETR 1006.2	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 047 58.2W	HOUR 06.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 740	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	- 0.69	32.90	26.46	00.000	1443.2							
06.0	OBS	00003	- 0.69	32.90	26.46		1443.2							
	STO	C0010	- 0.70	32.90	26.46	00.016	1443.3							
	OBS	00011	- 0.70	32.90	26.46		1443.3							
	STO	C0020	- 0.74	32.91	26.47	00.031	1443.3							
	OBS	00020	- 0.75	32.91	26.47		1443.3							
	STO	00030	- 0.91	32.94	26.50	00.047	1442.7							
	OBS	C0030	- 0.92	32.94	26.50		1442.7							
	OBS	00040	- 1.25	33.00	26.56		1441.4							
	STO	00050	- 1.46	33.08	26.63	00.077	1440.7							
	OBS	00051	- 1.48	53.09	26.64		1440.6							
	CBS	00062	- 1.59	33.18	26.72		1440.4							
	STO	00075	- 1.42	33.23	26.76	00.110	1441.5							
	OBS	00076	- 1.40	33.24	26.76		1441.6							
	STO	00100	- 0.65	33.4?	26.92	00.141	1445.8							
	OBS	00100	- 0.63	33.47	26.92		1445.9							
	STO	00125	- 0.30	33.56	26.98	00.169	1448.0							
	OBS	00125	- 0.29	53.56	26.98		1448.0							
	STO	00150	- 0.01	33.66	27.05	00.195	1449.8							
	OBS	00150	- 0.01	33.66	27.05		1449.9							
	OBS	00175	00.19	33.72	27.09		1451.3							
	STO	00200	00.59	53.87	27.19	00.243	1453.7							
	OBS	00201	00.61	33.88	27.19		1453.8							
	OBS	00226	00.81	33.92	27.21		1455.2							
	STO	00250	00.90	33.97	27.25	00.286	1456.1							
	OBS	00253	00.91	33.98	27.25		1456.2							
	OBS	00276	01.02	34.03	27.29		1457.1							
	STO	C0300	01.11	34.14	27.37	00.325	1458.1							
	OBS	00300	01.12	34.14	27.37		1458.1							
	OBS	00350	01.76	34.39	27.52		1462.1							
	STO	00400	02.65	34.66	27.67	00.384	1467.2							
	OBS	00401	02.67	34.67	27.67		1467.4							
	OBS	00451	03.20	34.76	27.70		1470.6							

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NODC STATION DATA

REFIO 31 8454	YEAR 1975	BOTOP 00120	AIR TEMP	DIR HGT PER	WIND-DIR 16	INST STD RECORDER	TEN SQ 1306
CONSEC 0052	MONTH 04	SHIP EV	WET BULB	00 0 X	WIND-SPD 36	TRACE DIR 0	5 SQUARE 4
LAT 45 52 N	DAY 15	DATA USE 1	BXROMETR 1006.8	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 048 08 W	HOUR 07.5	AREA 05	CLCUD T/A	CL/TR	WEATHER X7	ORIG 011 741	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	- 0.73	32.92	26.48	00.000	1443.0							
07.5	OBS	00005	- 0.73	32.92	26.48		1443.1							
	STO	00010	- 0.73	32.92	26.48	00.016	1443.2							
	STO	C0020	- 0.73	32.92	26.48	00.031	1443.4							
	STO	00030	- 0.73	32.92	26.48	00.047	1443.5							
	OBS	00030	- 0.73	32.92	26.48		1443.5							
	STO	00050	- 1.09	32.98	26.54	00.077	1442.3							
	OBS	00055	- 1.16	33.01	26.57		1442.0							
	STO	00075	- 1.37	33.20	26.73	00.113	1441.7							
	OBS	00079	- 1.40	33.24	26.76		1441.7							
	STO	00100	- 1.42	33.38	26.87	00.144	1442.1							
	OBS	00100	- 1.43	33.38	26.88		1442.1							
	OBS	00112	- 1.55	33.38	26.86		1441.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 00059	AIR TEMP	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SO 1306
CONSEC 0053	MONTH 04	SHIP EV	WET BULB	29 1 2	WIND-SPD 17	TRACE DIR 0	5 SQUARE 4
LAT 45 57 N	DAY 15	DATA USE 1	BAROMETR 1005.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 048 16.5W	HOUR 08.7	AREA 05	CLOUD 7/A	CL/TR	WEATHER X2	ORIG 011 742	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.67	32.86	26.43	00.000	1443.2							
08.7	OBS	00003	- 0.67	32.86	26.43		1443.3							
	STD	00010	- 0.66	32.87	26.44	00.016	1443.4							
	OBS	00015	- 0.66	32.87	26.44		1443.5							
	STD	00020	- 0.67	32.87	26.44	00.032	1443.6							
	STD	00030	- 0.70	32.87	26.44	00.048	1443.6							
	OBS	00030	- 0.70	32.87	26.44		1443.6							
	STD	00050	- 1.29	32.93	26.51	00.079	1441.2							
	OBS	00055	- 1.39	32.99	26.56		1440.9							
	OBS	00060	- 1.47	33.07	26.63		1440.8							
	OBS	00064	- 1.49	33.10	26.65		1440.8							
	STD	00075	- 1.35	33.28	26.79	00.114	1441.9							
	OBS	00079	- 1.34	33.32	26.82		1442.0							
	OBS	00091	- 1.46	33.31	26.82		1441.7							

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NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 00066	AIR TEMP 00.2	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SO 1306
CONSEC 0054	MONTH 04	SHIP EV	WET BULB -01.0	99 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4
LAT 46 08.5N	DAY 15	DATA USE 1	BAROMETR 1006.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 33.5W	HOUR 10.3	AREA 05	CLOUD 7/A	CL/TR	WEATHER X2	ORIG 011 743	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.48	32.94	26.49	00.000	1444.2							
10.3	OBS	00003	- 0.48	32.94	26.49		1444.3							
	STD	00010	- 0.47	32.94	26.49	00.016	1444.4							
	OBS	00015	- 0.47	32.95	26.50		1444.5							
	STD	00020	- 0.48	32.97	26.51	00.031	1444.6							
	STD	00030	- 0.54	33.00	26.54	00.046	1444.5							
	OBS	00030	- 0.54	33.00	26.54		1444.5							
	STD	00050	- 0.75	33.04	26.58	00.076	1443.9							
	OBS	00055	- 0.80	33.04	26.58		1443.8							
	OBS	00064	- 0.90	33.04	26.58		1443.5							
	STD	00075	- 1.36	33.07	26.62	00.112	1441.5							
	OBS	00076	- 1.41	33.09	26.64		1441.3							
	OBS	00077	- 1.29	33.11	26.65		1441.9							

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NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 00070	AIR TEMP 00.2	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SO 1306
CONSEC 0055	MONTH 04	SHIP EV	WET BULB -00.3	01 1 3	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4
LAT 46 16 N	DAY 15	DATA USE 1	BAROMETR 1017.5	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 68
LONG 048 45.5W	HOUR 12.4	AREA 05	CLOUD 7/A	CL/TR	WEATHER X1	ORIG 011 744 10	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.19	33.06	26.57	00.000	1445.7							
12.4	OBS	00001	- 0.19	33.06	26.57		1445.8							
	STD	00010	- 0.22	33.05	26.57	00.015	1445.7							
	OBS	00011	- 0.23	33.05	26.57		1445.7							
	STD	00020	- 0.26	33.05	26.56	00.030	1445.7							
	STD	00030	- 0.30	33.04	26.56	00.044	1445.7							
	OBS	00030	- 0.30	33.04	26.56		1445.7							
	OBS	00040	- 0.77	33.06	26.60		1443.7							
	OBS	00049	- 0.79	33.07	26.60		1443.8							
	STD	00050	- 0.79	33.07	26.60	00.074	1443.8							
	OBS	00055	- 0.78	33.07	26.60		1443.9							
	OBS	00059	- 0.90	33.05	26.59		1443.4							

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Table 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION 0476

REFID 31 8454	YEAR 1975	BOTOP 04517	AIR TEMP 17.0	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1306
CONSEC 0056	MONTH 04	SHIP EV	WET BULB 15.8	19 5 4	WIND-SPD 24	TRACE DIR 0	5 SQUARE 2
LAT 43 51.2N	DAY 21	0476 USE 1	BARACHETA 1001.4	SE6	WIND-FOR	DURATION 00.6	2 SQUARE 24
LONG 045 02 W	HOUR 17.3	AREA 05	CLOUD T/4	CL/7A	WEATHER X2	OR LG 011 745 11	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.40	36.09	26.74	00.000	1510.0							
17.3	OBS	00005	15.40	36.09	26.74		1510.1							
	OBS	00007	15.40	36.09	26.74		1510.1							
	OBS	00009	15.40	36.08	26.73		1510.1							
	STD	00010	15.40	36.08	26.74	00.013	1510.1							
	OBS	00011	15.39	36.09	26.74		1510.1							
	OBS	00013	15.38	36.09	26.74		1510.1							
	OBS	00015	15.40	36.09	26.74		1510.2							
	OBS	00017	15.39	36.09	26.74		1510.2							
	OBS	00019	15.38	36.08	26.74		1510.2							
	STD	00020	15.40	36.08	26.73	00.026	1510.3							
	OBS	00020	15.40	36.08	26.73		1510.3							
	OBS	00022	15.38	36.09	26.74		1510.3							
	OBS	00024	15.40	36.08	26.73		1510.4							
	OBS	00026	15.38	36.07	26.73		1510.3							
	OBS	00028	15.37	36.09	26.75		1510.4							
	STD	00030	15.37	36.08	26.74	00.040	1510.4							
	OBS	00030	15.37	36.08	26.74		1510.4							
	OBS	00032	15.37	36.08	26.74		1510.4							
	OBS	00034	15.37	36.08	26.74		1510.4							
	OBS	00036	15.30	36.09	26.76		1510.4							
	OBS	00038	15.38	36.08	26.74		1510.5							
	OBS	00040	15.35	36.06	26.73		1510.5							
	OBS	00041	15.33	36.06	26.73		1510.4							
	OBS	00043	15.31	36.06	26.74		1510.4							
	OBS	00045	15.29	36.06	26.74		1510.4							
	OBS	00047	15.28	36.05	26.74		1510.3							
	OBS	00049	15.24	36.05	26.74		1510.2							
	STD	00050	15.24	36.06	26.75	00.066	1510.3							
	OBS	00051	15.24	36.06	26.75		1510.3							
	OBS	00053	15.21	36.00	26.71 •		1510.2							
	OBS	00055	15.15	36.01	26.73		1510.0							
	OBS	00059	15.13	36.01	26.75		1509.9							
	OBS	00062	15.04	35.99	26.74		1509.8							
	OBS	00066	14.98	35.98	26.75		1509.6							
	OBS	00070	14.99	36.00	26.76		1509.7							
	OBS	00072	15.00	36.00	26.76		1509.8							
	OBS	00074	14.95	35.99	26.76		1509.7							
	STD	00075	14.95	35.99	26.76	00.095	1509.7							
	OBS	00076	14.94	35.99	26.77		1509.7							
	OBS	00079	14.85	35.98	26.78		1509.4							
	OBS	00083	14.78	35.95	26.77		1509.2							
	OBS	00085	14.64	35.92	26.78		1508.8							
	OBS	00087	14.55	35.91	26.79		1508.5							
	OBS	00089	14.51	35.92	26.81		1508.4							
	OBS	00095	14.41	35.90	26.81		1508.2							
	OBS	00097	14.31	35.91	26.83		1508.1							
	STD	00100	14.36	35.91	26.83	00.131	1508.1							
	OBS	00108	14.26	35.89	26.84		1507.9							
	STD	00125	13.95	35.81	26.84	00.163	1507.1							
	OBS	00125	13.94	35.81	26.84		1507.0							
	STD	00150	13.51	35.76	26.90	00.193	1506.0							
	OBS	00150	13.50	35.76	26.90		1505.9							
	OBS	00175	12.95	35.59	26.88		1504.3							
	OBS	00180	12.41	35.44 P	26.870									
	STD	00200	12.36	35.51	26.93	00.253	1502.6							
	OBS	00201	12.36	35.50	26.93		1502.6							
	OBS	00207	12.54	35.57	26.94		1503.4							
	OBS	00213	12.87	35.65	26.94		1504.7							
	OBS	00226	12.50	35.55	26.94		1503.6							
	STD	00250	12.25	35.55	26.98	00.312	1503.1							
	OBS	00251	12.24	35.55	26.99		1503.1							
	OBS	00264	12.08	35.52	27.00		1502.7							
	OBS	00276	11.59	35.37	26.97 •		1501.0							
	OBS	00277	11.47	35.38	27.00		1500.7							
	OBS	00281	11.17	35.34	27.03		1499.6							
	STD	00300	11.19	35.42	27.09	00.367	1500.1							
	OBS	00302	11.19	35.43	27.09		1500.2							
	OBS	00304	10.91	35.36	27.09		1499.1							
	OBS	00316	09.67	35.07	27.08		1494.5							
	OBS	00338	08.60	34.97	27.15		1491.9							
	OBS	00340	08.60	34.76 P	27.040•									
	OBS	00342	08.17	34.78 P	27.100									
	OBS	00346	04.26	35.05 P	27.290									

TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OWNDPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00348	08.55	35.02	27.23 *		1490.8							
	OBS	00350	08.75	35.18 P	27.320									
	OBS	00352	09.02	35.12	27.23 *		1492.7							
	OBS	00361	05.56	35.30	27.28		1495.1							
	STD	00400	09.04	35.20	27.29	00.463	1453.7							
	OBS	00401	09.01	35.20	27.29		1453.6							
	OBS	00451	08.04	35.10	27.37		1490.6							
	OBS	00456	07.72	35.03	27.36		1489.4							
	OBS	00462	07.26	34.92	27.34		1487.6							
	OBS	00458	06.46	34.51	22.44		1485.0							
	STD	00500	06.36	34.88	27.43	00.544	1484.6							
	OBS	00502	06.20	34.82	27.41		1483.5							
	OBS	00525	06.23	34.89	27.46		1484.5							
	OBS	00527	05.87	34.82	27.43		1483.0							
	OBS	00536	05.57	34.80	27.47		1481.9							
	OBS	00550	04.88	34.73	27.51		1479.2							
	OBS	00553	03.99	34.58	27.48 *		1475.4							
	OBS	00559	03.66	34.53	27.51		1474.0							
	OBS	00561	03.52	34.55	27.52		1472.6							
	OBS	00563	03.52	34.57	27.53		1472.7							
	OBS	00569	04.02	34.76	27.61		1476.0							
	OBS	00573	04.35	34.79	22.60		1477.5							
	OBS	00590	04.24	34.78	27.61		1477.3							
	OBS	00597	04.57	34.82	27.60		1478.8							
	STD	00600	04.58	34.82	27.60	00.605	1478.9							
	OBS	00601	04.59	34.82	27.60		1479.0							
	OBS	00651	04.75	34.50	27.65		1480.5							
	OBS	00694	04.31	34.88	27.66		1479.5							
	STD	00700	04.43	34.89	27.66	00.662	1480.1							
	OBS	00702	04.48	34.90	27.68		1480.3							
	OBS	00750	04.28	34.91	27.71		1480.5							
	STD	00800	04.37	34.95	27.73	00.710	1481.5							
	OBS	00801	04.37	34.95	27.73		1481.6							
	OBS	00850	04.42	34.96	27.73		1482.6							
	STD	00900	04.37	34.96	27.74	00.756	1483.2							
	OBS	00900	04.37	34.96	27.74		1483.2							
	OBS	00951	04.51	35.00	27.75		1484.7							
	STD	01000	04.25	34.97	27.76	00.802	1484.4							
	OBS	01001	04.24	34.97	27.76		1484.4							
	OBS	01020	04.17	34.96	27.76		1484.4							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

KEFIO 31 8454	YEAR 1575	BOTOP 04385	AIR TEMP 11.0	OIR HGT PER	WIND-OIR 18	INST STC RECORDER	TEN SO 1306
CONSEC 0057	MONTH 04	SHIP EV	WET BULB 10.8	22 2 4	WIND-SPD 20	TRACE OIR 0	5 SQUARE 2
LAT 43 57 N	DAY 21	OATA USE 1	BAROMETR 1013.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 24
LCNG 045 37 W	HOUR 21.7	AREA 05	CLCUD T/A	CL/TR	WEATHER R4	ORIG 011 746	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	04.23	33.72	26.77	00.000	1466.1							
21.7	OBS	00001	04.23	33.72	28.77		1466.1							
	STO	00010	04.23	33.72	26.77	00.013	1466.3							
	OBS	00011	04.27	33.72	26.77		1466.2							
	OBS	00015	04.18	33.72	26.77		1466.1							
	STO	00020	04.35	33.78	26.80	00.026	1467.0							
	OBS	00022	04.43	33.82	26.83		1467.5							
	OBS	00026	04.51	33.87	26.86		1467.9							
	STO	00030	04.51	33.95	26.90	00.038	1469.8							
	OBS	00030	04.57	34.00	26.91		1470.1							
	OBS	00034	05.44	34.08	26.92		1472.2							
	STO	00050	05.86	34.17	26.94	00.061	1474.3							
	OBS	00051	05.85	34.18	26.94		1474.4							
	OBS	00072	06.10	34.24	26.96		1475.7							
	STO	00075	06.39	34.34	27.00	00.088	1477.0							
	OBS	00076	06.51	34.37	27.01		1477.5							
	OBS	00079	06.90	34.47	27.04		1479.3							
	STO	00100	07.42	34.61	27.08	00.114	1481.8							
	OBS	00100	07.44	34.62	27.08		1481.9							
	OBS	00108	07.07	34.53	27.06		1480.5							
	STO	00125	06.54	34.60	27.13	00.135	1480.3							
	OBS	00125	06.53	34.60	27.13		1480.3							
	OBS	00137	06.74	34.59	27.15		1479.7							
	STO	00150	06.12	34.60	27.24	00.162	1477.9							
	OBS	00150	06.11	34.60	27.24		1477.5							
	OBS	00175	06.36	34.71	27.30		1479.0							
	OBS	00177	06.32	34.70	27.30		1478.9							
	OBS	00182	05.84	34.62	27.29		1476.5							
	STO	00200	05.75	34.64	27.32	00.203	1476.9							
	OBS	00201	05.73	34.64	27.32		1476.8							
	OBS	00226	05.28	34.63	27.37		1475.4							
	STO	00250	04.86	34.61	27.41	00.241	1474.0							
	OBS	00253	04.80	34.61	27.41		1473.8							
	OBS	00260	05.03	34.67	27.43		1475.0							
	OBS	00276	04.97	34.65	27.45		1475.0							
	OBS	00277	04.93	34.68	27.45		1474.9							
	OBS	00283	05.13	34.72	27.46		1475.8							
	STO	00300	05.01	34.71	27.47	00.275	1475.8							
	OBS	00300	05.01	34.74 P	27.490									
	OBS	00312	05.00	34.69	27.45 •		1475.7							
	OBS	00331	04.39	34.82	27.46		1473.4							
	OBS	00335	03.99	34.58	27.48		1471.8							
	OBS	00340	04.10	34.64	27.51		1472.4							
	OBS	00350	03.89	34.62	27.52		1471.6							
	STO	00400	04.63	34.78	27.56	00.337	1475.8							
	OBS	00401	04.63	34.78	27.56		1475.8							
	OBS	00415	04.59	34.78	27.57		1475.9							
	OBS	00430	04.86	34.88	27.62		1477.4							
	OBS	00439	04.17	34.78	27.61		1474.5							
	OBS	00451	04.61	34.88	27.65		1476.7							
	OBS	00472	05.00	34.92	27.63		1478.7							
	OBS	00485	05.18	34.98	27.66		1479.7							
	OBS	00487	05.17	34.98	27.66		1479.7							
	STO	00500	04.58	34.88	27.65	00.391	1477.4							
	OBS	00500	04.56	34.88	27.65		1477.3							
	OBS	00550	04.41	34.94	27.72		1477.8							
	STO	00600	04.50	34.94	27.71	00.439	1478.8							
	OBS	00601	04.50	34.94	27.71		1478.8							
	OBS	00652	04.60	34.98	27.73		1480.1							
	STO	00700	04.57	34.99	27.74	00.484	1480.8							
	OBS	00702	04.57	34.95	27.74		1480.8							
	OBS	00750	04.62	35.00	27.74		1481.8							
	STO	00800	04.08	34.93	27.74	00.525	1480.3							
	OBS	00801	04.07	34.93	27.74		1480.3							
	OBS	00850	04.12	34.54	27.75		1481.3							
	STO	00900	04.12	34.95	27.76	00.573	1482.2							
	OBS	00900	04.12	34.95	27.76		1482.2							
	OBS	00953	04.03	34.94	27.76		1482.7							
	STO	01000	03.59	34.95	27.77	00.617	1483.3							
	OBS	01001	03.59	34.95	27.77		1483.3							
	OBS	01020	03.56	34.94	27.76		1483.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIO 31 845W	YEAR 1973	BOTOP 04239	AIR TEMP 08.0	DIR HGT PER	WIND-DIR 00	INST STO RECORDER	TEN SG 1306
CONSEC 0058	MONTH 04	SHIP EV	WET BULB 07.1	28 2 1	WIND-SPD 00	TRACE DIR 0	5 SQUARE 2
LAT 44 03.5N	DAY 22	DATA USE 1	BAROMETR 1014.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 44
LONG 045 33.8W	HOUR 00.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG C11 747	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.87	33.89	26.83	00.000	1469.0							
00.4	OBS	00000	04.87	33.89	26.83		1469.0							
	STD	00010	04.86	33.88	26.83	00.012	1469.1							
	OBS	00011	04.85	33.88	26.83		1469.1							
	OBS	00017	04.80	33.86	26.83		1469.0							
	OBS	00019	04.53	33.84	26.83		1467.8							
	STD	00020	04.50	33.85	26.84	00.025	1467.7							
	OBS	00020	04.48	33.85	26.84		1467.7							
	OBS	00026	04.44	33.89	26.88		1467.6							
	OBS	00028	04.63	33.94	26.90		1468.5							
	STD	00030	04.83	34.00	26.92	00.038	1469.5							
	OBS	00032	05.30	34.13	26.97		1471.6							
	OBS	00034	05.79	34.26	27.02		1473.8							
	OBS	00038	05.90	34.23	26.98 •		1474.3							
	OBS	00041	05.81	34.32	27.06		1474.1							
	OBS	00045	06.27	34.34	27.02 •		1476.0							
	OBS	00047	06.29	34.32	27.00		1476.1							
	STD	00050	06.53	34.47	27.09	00.058	1477.3							
	OBS	00051	06.70	34.51	27.09		1478.1							
	OBS	00053	06.57	34.50	27.05 •		1479.2							
	OBS	00057	07.13	34.50	27.03		1475.8							
	OBS	00062	07.72	34.67	27.08		1482.5							
	OBS	00070	07.91	34.66	27.04 •		1483.3							
	STD	00075	06.85	34.53	27.09	00.083	1479.1							
	OBS	00081	06.08	34.34	27.04 •		1475.6							
	OBS	00083	06.04	34.29	27.01 •		1475.7							
	OBS	00089	04.85	34.18	27.06		1470.8							
	OBS	00091	04.86	34.28	27.14		1471.0							
	OBS	00095	04.73	34.20	27.09 •		1470.4							
	STD	00100	04.14	34.17	27.13	00.107	1468.0							
	OBS	00100	04.12	34.16	27.13		1467.9							
	OBS	00102	04.17	34.20	27.15		1468.2							
	OBS	00106	04.46	34.22	27.14--		1469.5							
	OBS	00112	05.28	34.39	27.18		1473.2							
	OBS	00118	04.84	34.36	27.21		1471.4							
	OBS	00123	05.05	34.37	27.19		1472.4							
	STD	00125	05.19	34.42	27.21	00.130	1473.1							
	OBS	00129	05.50	34.50	27.24		1474.5							
	OBS	00133	05.57	34.48	27.22		1474.8							
	OBS	00140	04.50	34.33	27.22		1470.4							
	OBS	00142	04.49	34.39	27.27		1470.4							
	STD	00150	05.64	34.56	27.27	00.151	1475.5							
	OBS	00150	05.68	34.57	27.27		1475.7							
	OBS	00167	05.73	34.60	27.29		1476.2							
	OBS	00171	05.43	34.52	27.27		1475.0							
	OBS	00175	05.30	34.54	27.30		1474.5							
	OBS	00196	05.36	34.60	27.34		1475.2							
	STD	00200	05.11	34.57	27.34	00.191	1474.2							
	OBS	00205	04.68	34.52	27.35		1472.4							
	OBS	00211	04.66	34.54	27.37		1472.5							
	OBS	00220	05.30	34.67	27.40		1475.4							
	OBS	00228	05.19	34.64	27.39		1475.0							
	STD	00250	05.13	34.69	27.43	00.227	1475.2							
	OBS	00251	05.12	34.69	27.44		1475.2							
	OBS	00258	05.07	34.68	27.43		1475.1							
	OBS	00266	04.77	34.67	27.46		1474.0							
	OBS	00277	04.90	34.69	27.46		1474.8							
	STD	00300	04.54	34.67	27.49	00.260	1473.6							
	OBS	00302	04.48	34.67	27.49		1473.4							
	OBS	00325	03.83	34.63	27.53		1471.0							
	OBS	00335	04.39	34.76	27.58		1473.7							
	OBS	00336	04.39	34.74	27.56		1473.7							
	OBS	00350	04.51	34.85	27.59		1474.2							
	OBS	00357	04.45	34.81	27.61		1475.0							
	STD	00400	04.49	34.82	27.61	00.315	1475.3							
	OBS	00409	04.65	34.85	27.62		1476.1							
	OBS	00451	04.92	34.94	27.66		1478.0							
	OBS	00469	04.66	34.89	27.65		1477.5							
	STD	00500	04.75	34.94	27.68	00.369	1478.2							
	OBS	00502	04.77	34.95	27.68		1478.3							
	OBS	00550	04.76	34.96	27.69		1479.0							
	STD	00600	04.64	34.97	27.71	00.416	1479.4							
	OBS	00601	04.64	34.97	27.71		1479.4							
	OBS	00651	04.64	34.99	27.73		1480.3							
	STD	00700	04.43	34.97	27.74	00.461	1480.2							
	OBS	00702	04.42	34.97	27.74		1480.2							
	OBS	00750	04.32	34.97	27.75		1480.5							
	STD	00800	04.28	34.97	27.75	00.505	1481.2							
	OBS	00801	04.28	34.97	27.75		1481.2							
	OBS	00852	04.10	34.96	27.77		1481.3							
	STD	00900	04.10	34.96	27.77	00.545	1482.1							
	OBS	00900	04.10	34.96	27.77		1482.1							
	OBS	00951	04.08	34.96	27.77		1482.9							
	STD	01000	03.94	34.96	27.78	00.591	1483.1							
	OBS	01001	03.94	34.96	27.78		1483.1							
	OBS	01022	03.94	34.94	27.77		1483.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8454	YEAR 1975	BOTOP 03344	AIR TEMP	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1306
CON.SEC 0055	MONTH 04	SHIP EV	WET BULB	05 1 2	WIND-SPD 07	TRACE DIR 0	3 SQUARE 2
LAT 44 05.2N	DAY 22	DATA USE 1	BARCMETR 1012.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 046 10 W	HOUR 03.6	AREA 05	CLOUD 7/A	CL/TR	WEATHER X2	ORIG 011 740	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.62	34.04	26.86	00.000	1472.3							
03.6	OBS	00001	05.62	34.04	26.86		1472.3							
	STD	00010	05.73	34.07	26.88	00.012	1472.9							
	OBS	00011	05.79	34.09	26.88		1473.2							
	STD	00020	06.46	34.29	26.95	00.023	1476.3							
	OBS	00020	06.50	34.30	26.96		1476.5							
	STD	00030	06.55	34.30	26.95	00.035	1476.8							
	OBS	00030	06.55	34.30	26.95		1476.9							
	STD	00050	06.25	34.35	27.03	00.058	1476.0							
	OBS	00051	06.23	34.35	27.03		1476.0							
	STD	00075	06.01	34.43	27.12	00.081	1475.6							
	OBS	00076	06.00	34.43	27.12		1475.6							
	STD	00100	05.98	34.43	27.13	00.105	1475.9							
	OBS	00100	05.93	34.43	27.13		1475.7							
	OBS	00102	05.82	34.45	27.16		1475.3							
	OBS	00108	06.16	34.55	27.20		1476.9							
	STD	00125	06.44	34.60	27.20	00.129	1478.4							
	OBS	00127	06.47	34.61	27.20		1478.5							
	STD	00150	06.57	34.64	27.21	00.151	1479.3							
	OBS	00150	06.57	34.64	27.21		1479.3							
	OBS	00175	06.73	34.79 P	27.310									
	OBS	00178	06.86	34.76 P	27.270*									
	OBS	00182	06.68	34.68	27.23 *		1480.4							
	OBS	00188	06.21	34.65	27.27		1476.6							
	OBS	00194	05.82	34.61	27.29		1477.0							
	STD	00200	05.75	34.61	27.30	00.193	1476.8							
	OBS	00203	05.70	34.61	27.30		1476.7							
	OBS	00226	05.24	34.64	27.38		1475.2							
	STD	00250	05.19	34.69	27.43	00.231	1475.5							
	OBS	00251	05.19	34.69	27.43		1475.5							
	OBS	00268	05.21	34.77	27.49		1476.0							
	OBS	00272	05.68	34.82	27.47		1478.0							
	OBS	00276	05.71	34.82	27.47		1478.2							
	OBS	00298	05.71	34.84	27.48		1478.6							
	STD	00300	05.65	34.83	27.48	00.265	1478.4							
	OBS	00304	05.43	34.79	27.48		1477.5							
	OBS	00352	05.18	34.87	27.57		1477.4							
	OBS	00359	05.10	34.82	27.54 *		1477.1							
	OBS	00371	04.24	34.74	27.58		1473.6							
	OBS	00394	04.67	34.83	27.60		1475.9							
	OBS	00399	04.28	34.76	27.59		1474.3							
	STD	00400	04.27	34.76	27.59	00.325	1474.3							
	OBS	00403	04.17	34.79	27.62		1473.9							
	OBS	00426	04.32	34.81	27.62		1475.0							
	OBS	00432	03.85	34.74	27.62		1473.0							
	OBS	00434	03.83	34.75	27.63		1473.0							
	OBS	00454	04.00	34.80	27.65		1474.1							
	OBS	00481	04.26	34.87	27.68		1475.7							
	OBS	00489	04.60	34.93	27.69		1477.3							
	STD	00500	04.75	34.96	27.69	00.375	1478.2							
	OBS	00500	04.76	34.96	27.69		1478.2							
	OBS	00550	04.67	34.96	27.70		1478.7							
	STD	00600	04.50	34.96	27.72	00.421	1478.8							
	OBS	00601	04.50	34.96	27.72		1478.8							
	OBS	00651	04.48	34.98	27.74		1479.6							
	STD	00700	04.39	34.97	27.74	00.466	1480.0							
	OBS	00702	04.39	34.97	27.74		1480.0							
	OBS	00751	04.33	34.97	27.75		1480.6							
	STD	00800	04.28	34.98	27.76	00.509	1481.2							
	OBS	00801	04.28	34.98	27.76		1481.2							
	OBS	00850	04.23	34.97	27.76		1481.8							
	STD	00900	04.17	34.97	27.77	00.552	1482.4							
	OBS	00902	04.17	34.97	27.77		1482.5							
	OBS	00951	04.10	34.96	27.77		1483.0							
	STD	01000	04.05	34.96	27.77	00.595	1483.6							
	OBS	01001	04.05	34.96	27.77		1483.6							
	OBS	01022	04.01	34.95	27.77		1483.8							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 03528	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SO 1306
CONSEC 0060	MONTH 04	SHIP EV	WET BULB 04.3	21 3 1	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 44 14 N	DAY 22	DATA USE 1	BAROMETR 1013.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 046 44.2W	HOUR 06.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DRIG 011 749	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.45	33.42	26.77	00.000	1453.7							
06.8	OBS	00000	01.45	33.42	26.77		1453.7							
	OBS	00003	01.36	33.34	26.71 *		1453.2							
	OBS	00007	01.72	33.49	26.81		1455.1							
	OBS	00009	02.45	33.72	26.93		1458.6							
	STD	00010	02.60	33.74	26.94	00.012	1459.3							
	OBS	00011	02.98	33.79	26.94		1461.1							
	STD	00020	03.68	33.80	26.88 *	00.024	1464.2							
	OBS	00020	03.73	33.80	26.88		1464.4							
	STD	00030	04.07	33.85	26.89	00.035	1466.1							
	OBS	00032	04.08	33.92	26.94		1466.3							
	OBS	00034	04.07	33.99	27.00		1466.4							
	OBS	00041	04.53	34.20	27.12		1468.7							
	OBS	00043	04.77	34.16	27.06 *		1469.7							
	OBS	00049	04.91	34.20	27.07		1470.4							
	STD	00050	04.98	34.20	27.07	00.057	1470.7							
	OBS	00051	05.10	34.22	27.07		1471.2							
	OBS	00053	05.12	34.26	27.10		1471.4							
	STD	00075	04.68	34.19	27.09	00.082	1469.9							
	OBS	00076	04.62	34.18	27.09		1469.6							
	OBS	00079	04.37	34.16	27.10		1468.6							
	OBS	00097	04.30	34.14	27.09		1468.6							
	STD	00100	04.17	34.13	27.10	00.107	1468.0							
	OBS	00102	03.98	34.11	27.10		1467.3							
	OBS	00106	03.62	34.08	27.12		1465.8							
	OBS	00110	03.62	34.12	27.15		1465.9							
	OBS	00119	04.82	34.25	27.15		1470.4							
	OBS	00123	04.59	34.23	27.13		1470.3							
	STD	00125	05.11	34.33	27.15	00.131	1472.6							
	OBS	00131	06.88	34.67	27.20		1480.3							
	OBS	00142	06.85	34.66	27.19		1480.4							
	OBS	00148	07.16	34.72	27.20		1481.7							
	STD	00150	07.16	34.73	27.20	00.154	1481.8							
	OBS	00150	07.16	34.73	27.20		1481.8							
	OBS	00154	07.28	34.74	27.20		1482.3							
	OBS	00158	07.02	34.68	27.18		1481.3							
	OBS	00171	06.67	34.61	27.18		1480.0							
	OBS	00175	06.09	34.54	27.20		1477.7							
	OBS	00178	06.51	34.67	27.25		1479.6							
	OBS	00184	06.50	34.66	27.24		1479.7							
	OBS	00192	04.16	34.31	27.24		1469.8							
	OBS	00196	03.56	34.36	27.34		1467.4							
	OBS	00199	03.83	34.36	27.32		1468.6							
	STD	00200	03.83	34.36	27.32	00.196	1468.6							
	OBS	00203	03.83	34.33	27.29 *		1468.6							
	OBS	00211	05.14	34.57	27.34		1474.5							
	OBS	00213	05.16	34.56	27.33		1474.6							
	OBS	00218	05.58	34.64	27.34		1476.5							
	OBS	00226	05.28	34.59	27.34		1475.3							
	OBS	00230	05.24	34.64	27.38		1475.3							
	OBS	00236	05.85	34.72	27.37		1478.0							
	STD	00250	05.49	34.65	27.36	00.234	1476.6							
	OBS	00251	05.46	34.65	27.36		1476.6							
	OBS	00276	05.27	34.67	27.40		1476.2							
	OBS	00283	03.74	34.45	27.40		1469.7							
	OBS	00293	03.62	34.56	27.50		1469.5							
	STD	00300	04.14	34.63	27.50	00.269	1471.9							
	OBS	00300	04.19	34.64	27.50		1472.1							
	OBS	00317	04.44	34.68	27.51		1473.5							
	OBS	00323	05.00	34.80	27.54		1476.1							
	OBS	00350	04.71	34.75	27.53		1475.2							
	OBS	00356	05.19	34.87	27.57		1477.5							
	OBS	00361	05.00	34.84	27.57		1476.6							
	OBS	00375	05.05	34.87	27.59		1477.2							
	OBS	00380	04.42	34.78	27.57		1474.6							
	STD	00400	04.33	34.78	27.60	00.327	1474.5							
	OBS	00403	04.32	34.78	27.60		1474.5							
	OBS	00456	04.48	34.85	27.64		1476.2							
	STD	00500	04.61	34.93	27.68	00.378	1477.5							
	OBS	00502	04.61	34.93	27.69		1477.6							
	OBS	00552	04.55	34.96	27.72		1478.2							
	STD	00600	04.32	34.94	27.73	00.424	1478.0							
	OBS	00601	04.32	34.94	27.73		1478.0							
	OBS	00652	04.55	34.99	27.74		1479.9							
	STD	00700	04.60	35.01	27.75	00.468	1480.9							
	OBS	00700	04.60	35.01	27.75		1480.9							
	OBS	00751	04.36	34.99	27.76		1480.8							
	STD	00800	04.42	35.00	27.76	00.511	1481.8							
	OBS	00801	04.42	35.00	27.76		1481.9							
	OBS	00850	04.28	34.99	27.77		1482.1							
	STD	00900	04.17	34.97	27.77	00.554	1482.4							
	OBS	00900	04.17	34.97	27.77		1482.4							
	OBS	00953	04.16	34.97	27.77		1483.3							
	STD	01000	04.12	34.98	27.78	00.597	1483.9							
	OBS	01001	04.12	34.98	27.78		1483.9							
	OBS	01020	04.11	34.98	27.78		1484.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8454	YEAR 1975	BOTOP 03860	AIR TEMP 03.8	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SO 1306
CONSEC 0061	MONTH 04	SHIP EV	WET BULB 03.8	99 X X	WIND-SPD 00	TRACE DIR 0	5 SQUARE 2
L6 44 20 N	DAY 22	DATA USE 1	BARCMETR 1016.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 15.4W	HOUR 09.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 750 08	1 SQUARE 47

CASTNUM/TIM	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.74	33.71	26.81	00.000	1464.0							
09.7	OBS	00000	03.74	33.71	26.81		1464.0							
	OBS	00003	03.58	33.74	26.81		1465.1							
	OBS	00005	03.73	33.79	26.87		1464.2							
	STD	00010	04.38	33.88	26.88	00.012	1467.1							
	OBS	00013	04.69	33.92	26.88		1468.5							
	STD	00020	04.78	33.91	26.86	00.024	1469.0							
	OBS	00020	04.78	33.91	26.86		1469.0							
	STD	00030	04.71	33.90	26.86	00.036	1468.9							
	OBS	00030	04.71	33.90	26.86		1468.8							
	OBS	00047	05.29	34.12	26.97		1471.8							
	OBS	00049	05.02	34.03	26.93 •		1470.6							
	STD	00050	04.97	34.07	26.96	00.059	1470.5							
	OBS	00051	04.89	34.15	27.04		1470.3							
	OBS	00055	05.10	34.14	27.00 •		1471.2							
	OBS	00057	05.52	34.30	27.08		1473.1							
	OBS	00062	05.61	34.26	27.04 •		1473.6							
	OBS	00066	04.77	34.26	27.14		1470.2							
	OBS	00068	05.00	34.27	27.12		1471.2							
	STD	00075	05.14	34.31	27.14	00.085	1471.9							
	OBS	00076	05.16	34.33	27.15		1472.0							
	OBS	00079	05.20	34.40	27.20		1472.4							
	OBS	00081	05.61	34.46	27.20		1474.1							
	STD	00100	06.43	34.62	27.21	00.108	1477.9							
	OBS	00100	06.45	34.62	27.22		1478.0							
	STD	00125	06.38	34.62	27.22	00.130	1478.2							
	OBS	00127	06.30	34.62	27.23		1477.9							
	OBS	00137	05.84	34.59	27.27		1476.1							
	OBS	00148	06.02	34.65	27.29		1477.1							
	STD	00150	05.93	34.64	27.30	00.151	1476.8							
	OBS	00154	05.80	34.63	27.31		1476.3							
	OBS	00156	05.79	34.64	27.32		1476.3							
	OBS	00163	05.26	34.59	27.34		1474.2							
	OBS	00171	05.86	34.70	27.35		1476.9							
	OBS	00173	05.91	34.70	27.35		1477.2							
	OBS	00178	05.32	34.60	27.34		1474.7							
	STD	00200	04.81	34.57	27.40	00.188	1472.1							
	OBS	00201	04.55	34.57	27.41		1471.9							
	OBS	00209	04.93	34.62	27.40		1473.7							
	OBS	00213	05.18	34.68	27.42		1474.8							
	OBS	00226	05.14	34.68	27.43		1474.9							
	OBS	00232	05.09	34.69	27.44		1474.8							
	OBS	00237	04.73	34.65	27.45		1473.3							
	STD	00250	04.58	34.65	27.47	00.222	1472.9							
	OBS	00253	04.52	34.65	27.47		1472.7							
	OBS	00274	03.99	34.66	27.58		1470.9							
	OBS	00279	04.73	34.81	27.58		1474.3							
	STD	00300	05.32	34.92	27.59	00.252	1477.1							
	OBS	00300	05.33	34.92	27.59		1477.2							
	OBS	00302	05.36	34.91	27.58		1477.3							
	OBS	00308	05.62	34.97	27.60		1478.6							
	OBS	00352	05.52	34.99	27.63		1478.9							
	OBS	00388	05.14	34.97	27.66		1477.9							
	STD	00400	05.21	34.99	27.66	00.304	1478.4							
	OBS	00403	05.23	34.99	27.66		1478.6							
	OBS	00407	05.19	34.96	27.64		1478.4							
	OBS	00409	04.87	34.91	27.64		1477.1							
	OBS	00430	05.18	35.01	27.68		1478.9							
	OBS	00441	04.82	34.98	27.70		1477.5							
	OBS	00451	04.94	35.00	27.70		1478.2							
	STD	00500	04.76	34.98	27.71	00.351	1478.2							
	OBS	00502	04.75	34.98	27.71		1478.2							
	OBS	00550	04.53	34.98	27.73		1478.1							
	OBS	00564	04.46	35.01	27.77		1478.4							
	OBS	00592	04.67	35.02	27.75		1479.4							
	STD	00600	04.66	35.01	27.74	00.396	1479.5							
	OBS	00601	04.66	35.01	27.74		1479.5							
	OBS	00651	04.50	34.99	27.75		1479.7							
	STD	00700	04.32	34.98	27.76	00.438	1479.7							
	OBS	00702	04.32	34.98	27.76		1479.8							
	OBS	00751	04.30	34.99	27.77		1480.5							
	STD	00800	04.19	34.98	27.77	00.480	1480.9							
	OBS	00801	04.19	34.98	27.77		1480.9							
	OBS	00850	04.08	34.98	27.77		1481.2							
	STD	00900	04.01	34.96	27.77	00.522	1481.7							
	OBS	00902	04.01	34.96	27.77		1481.8							
	OBS	00953	03.98	34.96	27.78		1482.5							
	STD	01000	03.87	34.94	27.77	00.564	1482.8							
	OBS	01001	03.87	34.94	27.77		1482.8							
	OBS	01018	03.83	34.94	27.78		1482.9							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTDP 03584	AIR TEMP 02.9	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SO 1306
CONSEC 0082	MONTH 04	SHIP EV	WET BULB 02.1	27 4 5	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 44 27.2N	DAY 22	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 46.5W	HOUR 13.0	AREA 05	CLOUD 7/A	CL/7R	WEATHER X1	ORIG 011 751 11	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.76	33.08	26.54	00.000	1450.1							
13.0	OBS	00001	00.76	33.08	26.54		1450.1							
	OBS	00003	00.68	33.05	26.52		1445.8							
	OBS	00005	00.54	33.10	26.57		1449.2							
	STD	00010	00.69	33.12	26.58	00.015	1450.0							
	OBS	00011	00.70	33.13	26.58		1450.1							
	OBS	00015	00.62	33.10	26.56		1449.7							
	OBS	00019	- 0.07	33.19	26.67		1446.8							
	STD	00020	- 0.05	33.20	26.68	00.029	1446.9							
	OBS	00020	- 0.04	33.22	26.69		1447.0							
	OBS	00026	- 1.09	33.37	26.86		1442.4							
	STD	00030	- 1.13	33.38	26.87	00.042	1442.3							
	OBS	00030	- 1.13	33.38	26.87		1442.3							
	OBS	00032	- 1.14	33.38	26.87		1442.3							
	OBS	00034	- 1.13	33.50	26.96		1442.5							
	OBS	00041	02.01	33.74	26.58		1457.3							
	OBS	00043	02.19	33.79	27.01		1458.2							
	OBS	00045	02.79	33.88	27.03		1460.9							
	OBS	00047	03.66	33.95	27.04		1464.8							
	STD	00050	03.82	34.02	27.04	00.064	1465.6							
	OBS	00051	03.90	34.03	27.05		1466.0							
	OBS	00072	04.07	34.09	27.08		1467.1							
	STD	00075	03.79	34.07	27.09	00.085	1465.5							
	OBS	00076	03.69	34.06	27.09		1465.5							
	OBS	00078	03.54	34.04	27.09		1464.9							
	OBS	00079	03.16	33.96	27.06 *		1463.2							
	OBS	00081	03.32	34.16	27.21		1464.2							
	OBS	00085	03.48	34.15	27.18 *		1464.9							
	OBS	00089	01.45	34.02	27.25		1456.0							
	OBS	00095	00.82	34.00	27.27		1453.2							
	STD	00100	00.80	34.09	27.35	00.111	1453.3							
	OBS	00100	00.80	34.10	27.36		1453.3							
	OBS	00106	01.27	34.16	27.37		1455.6							
	OBS	00119	01.45	34.29	27.47		1456.8							
	OBS	00121	01.97	34.34	27.47		1459.2							
	STD	00125	02.08	34.38	27.49	00.128	1459.8							
	OBS	00125	02.11	34.39	27.50		1460.0							
	OBS	00127	02.25	34.45	27.53		1460.7							
	OBS	00133	03.79	34.60	27.51		1467.6							
	OBS	00142	04.58	34.75	27.55		1471.3							
	STD	00150	04.69	34.70	27.50 *	00.143	1471.8							
	OBS	00150	04.70	34.70	27.49		1471.9							
	OBS	00154	04.28	34.65	27.50		1470.1							
	OBS	00173	04.22	34.68	27.53		1470.2							
	OBS	00175	03.98	34.62	27.51		1469.1							
	OBS	00178	03.82	34.68	27.57		1468.6							
	OBS	00182	04.51	34.75	27.59		1471.7							
	OBS	00184	04.42	34.77	27.58		1471.3							
	OBS	00186	04.14	34.72	27.57		1470.1							
	OBS	00199	04.46	34.80	27.60		1471.8							
	STD	00200	04.46	34.80	27.60	00.171	1471.8							
	OBS	00203	04.49	34.81	27.60		1472.0							
	OBS	00224	04.66	34.84	27.61		1473.1							
	OBS	00226	04.49	34.82	27.61		1472.4							
	STD	00250	04.82	34.92	27.66	00.196	1474.3							
	OBS	00251	04.84	34.93	27.66		1474.4							
	OBS	00276	05.27	35.02	27.68		1476.7							
	STD	00300	05.02	34.98	27.68	00.219	1476.0							
	OBS	00300	05.01	34.98	27.68		1476.0							
	OBS	00352	04.59	34.96	27.71		1475.1							
	STD	00400	04.64	34.99	27.73	00.264	1476.1							
	OBS	00401	04.64	34.99	27.73		1476.1							
	OBS	00451	04.41	34.97	27.74		1476.0							
	STD	00500	04.35	34.98	27.75	00.305	1476.5							
	OBS	00500	04.35	34.98	27.75		1476.5							
	OBS	00552	04.28	34.98	27.76		1477.1							
	STD	00600	04.24	34.98	27.77	00.345	1477.7							
	OBS	00603	04.23	34.98	27.77		1477.8							
	OBS	00651	04.10	34.97	27.77		1478.0							
	STD	00700	03.99	34.96	27.78	00.385	1478.3							
	OBS	00732	03.98	34.96	27.78		1478.3							
	OBS	00751	03.94	34.95	27.77		1479.0							
	STD	00800	03.87	34.95	27.78	00.425	1479.5							
	OBS	00801	03.87	34.95	27.78		1479.5							
	OBS	00852	03.64	34.91	27.77		1479.3							
	STD	00900	03.47	34.89	27.77	00.466	1479.4							
	OBS	00900	03.47	34.89	27.77		1479.4							
	OBS	00951	03.44	34.89	27.76		1480.1							
	STD	01000	03.41	34.88	27.77	00.507	1480.8							
	OBS	01001	03.41	34.88	27.77		1480.8							
	OBS	01016	03.40	34.88	27.77		1481.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION 0476

SSF10 31 8456	YEAR 1975	BOTOP 03061	AIR TEMP 03.5	DIR HGT PER	WIND-DIR 30	INST STD RECORDED	TEN SQ 1306
CONSEC 0363	MONTH 04	SHIP EV	WET BULB 02.0	29 2 4	WIND-SPD 08	TRACE DIR 0	5 SQUARE 2
LAT 44 35.8N	DAY 22	DATA USE 1	BARONETA 1016.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 14.1W	HOUR 15.8	AREA 05	CLOUD T/A	CL/7P	WEATHER X2	ORIG 011 752 12	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.30	33.14	26.61	00.000	1446.1							
15.A	OBS	00000	00.30	33.14	26.61		1448.1							
	OBS	00007	00.20	33.12	26.60		1447.7							
	STD	00010	00.16	33.13	26.61	00.014	1447.6							
	OBS	00011	00.14	33.13	26.61		1447.5							
	STD	00020	00.12	33.13	26.61	00.029	1447.6							
	OBS	00022	00.10	33.13	26.62		1447.5							
	STD	00030	00.05	33.16	26.64	00.043	1447.5							
	OBS	00030	00.04	33.16	26.64		1447.4							
	OBS	00036	- 0.10	33.14	26.63		1446.8							
	OBS	00038	- 0.50	33.20	26.70		1445.1							
	OBS	00045	- 0.63	33.30	26.78		1444.8							
	OBS	00049	- 0.87	33.35	26.83		1443.8							
	STD	00050	- 0.88	33.38	26.86	00.069	1443.8							
	OBS	00051	- 0.91	33.46	26.92		1443.8							
	OBS	00055	00.11	33.64	27.03		1448.0							
	OBS	00060	00.13	33.50	26.91		1448.6							
	OBS	00062	- 0.04	33.64	27.03		1448.3							
	OBS	00066	00.21	33.64	27.02		1449.5							
	STD	00075	- 0.36	33.74	27.13	00.096	1447.1							
	OBS	00076	- 0.39	33.75	27.14		1447.0							
	OBS	00093	00.34	33.93	27.25		1450.9							
	OBS	00095	00.66	33.99	27.28		1452.5							
	STD	00100	00.70	34.03	27.31	00.117	1452.8							
	OBS	00100	00.71	34.04	27.31		1452.9							
	OBS	00112	01.04	34.22	27.44		1454.8							
	OBS	00114	01.42	34.24	27.43		1456.5							
	STD	00125	01.67	34.26	27.42	00.135	1457.8							
	OBS	00125	01.69	34.26	27.42		1457.9							
	OBS	00131	01.90	34.30	27.44		1459.0							
	OBS	00142	02.75	34.50	27.53		1463.2							
	OBS	00146	03.86	34.63	27.53		1468.2							
	STD	00150	03.93	34.61	27.51	00.151	1468.5							
	OBS	00150	03.94	34.61	27.50		1468.6							
	OBS	00158	04.04	34.62	27.50		1469.1							
	OBS	00161	04.38	34.69	27.52		1470.7							
	OBS	00175	04.93	34.78	27.53		1473.3							
	STD	00200	04.76	34.77	27.54	00.181	1473.0							
	OBS	00203	04.75	34.77	27.54		1473.0							
	OBS	00226	04.81	34.76	27.53		1473.6							
	STD	00250	04.51	34.80	27.59	00.208	1472.8							
	OBS	00251	04.51	34.80	27.59		1472.9							
	OBS	00276	04.73	34.85	27.61		1474.2							
	OBS	00279	04.53	34.82	27.61		1473.4							
	STD	00300	04.43	34.83	27.63	00.234	1473.4							
	OBS	00302	04.41	34.83	27.63		1473.3							
	OBS	00327	04.19	34.84	27.66		1472.8							
	OBS	00331	04.50	34.90	27.67		1474.3							
	OBS	00350	04.80	34.93	27.66		1475.9							
	STD	00400	04.60	34.92	27.68	00.263	1475.8							
	OBS	00401	04.59	34.92	27.68		1475.8							
	OBS	00451	04.21	34.90	27.71		1475.0							
	STD	00500	04.41	34.95	27.72	00.326	1476.7							
	OBS	00500	04.41	34.95	27.72		1476.8							
	OBS	00550	04.44	34.97	27.74		1477.7							
	STD	00600	04.30	34.96	27.74	00.371	1478.0							
	OBS	00601	04.30	34.96	27.74		1478.0							
	OBS	00651	04.26	34.97	27.76		1478.7							
	STD	00700	04.21	34.97	27.76	00.413	1479.3							
	OBS	00700	04.21	34.97	27.76		1479.3							
	OBS	00750	04.17	34.97	27.77		1479.9							
	STD	00800	04.05	34.96	27.77	00.455	1480.2							
	OBS	00801	04.05	34.96	27.77		1480.3							
	OBS	00850	04.01	34.96	27.77		1480.9							
	STD	00900	03.98	34.96	27.78	00.497	1481.6							
	OBS	00900	03.98	34.96	27.78		1481.6							
	OBS	00953	03.62	34.95	27.78		1482.2							
	STD	01000	03.90	34.95	27.78	00.539	1482.9							
	OBS	01003	03.89	34.95	27.78		1482.9							
	OBS	01018	03.86	34.95	27.78		1483.1							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

RSFID 31 8454	YEAR 1975	BOTDP 02043	AIR TEMP 02.6	DIR FOT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1306
CONSEC 0084	MONTH 04	SHIP EV	WET BULB 02.0	30 1 3	WIND-SPD 05	TRACE CIR 0	5 SQUARE 2
LAT 44 42.5N	DAY 22	DATA USE 1	BAROMETR 1017.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 44 W	HOUR 18.6	AREA 05	CLOUD T/A	CL/TP	WEATHER X7	ORIG 011 753 12	1 SQUARE 48

CASTNUN/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	01.13	33.17	26.59	00.000	1451.9							
18.6	OBS	00003	01.13	33.17	26.59		1451.9							
	OBS	00005	01.26	33.20	26.61		1452.6							
	STD	00010	00.59	33.22	26.83	00.014	1451.5							
	OBS	00011	00.93	33.22	26.64		1451.2							
	STD	00020	00.90	33.25	26.66	00.028	1451.3							
	OBS	00020	00.90	33.25	26.67		1451.3							
	STD	00030	00.94	33.30	26.70	00.042	1451.7							
	OBS	00030	00.94	33.30	26.71		1451.7							
	OBS	00040	00.91	33.29	26.70		1451.7							
	OBS	00049	00.22	33.54	26.94		1449.1							
	STD	00050	00.22	33.53	26.95	00.067	1449.1							
	OBS	00051	00.22	33.57	26.96		1449.2							
	OBS	00060	00.48	33.79	27.13		1450.8							
	OBS	00064	00.72	33.84	27.15		1452.0							
	STD	00075	00.88	33.89	27.18	00.092	1453.0							
	OBS	00076	00.90	33.90	27.19		1453.1							
	OBS	00083	01.07	34.05	27.30		1454.2							
	OBS	00085	01.33	34.08	27.31		1455.4							
	STD	00100	01.38	34.18	27.38	00.112	1456.1							
	OBS	00100	01.40	34.19	27.39		1456.2							
	OBS	00112	01.72	34.32	27.47		1457.9							
	STD	00125	01.61	34.33	27.49	00.128	1457.7							
	OBS	00125	01.61	34.33	27.49		1457.7							
	OBS	00131	01.68	34.34	27.49		1458.1							
	OBS	00133	02.01	34.43	27.54		1459.7							
	OBS	00146	03.60	34.61	27.54		1467.1							
	STD	00150	03.72	34.64	27.55	00.143	1467.7							
	OBS	00150	03.73	34.64	27.55		1467.7							
	OBS	00161	03.40	34.58	27.53		1466.4							
	OBS	00175	02.60	34.53	27.57		1463.1							
	OBS	00182	02.77	34.58	27.59		1464.1							
	OBS	00188	03.63	34.65	27.60		1466.0							
	STD	00200	03.65	34.68	27.59	00.170	1468.2							
	OBS	00201	03.65	34.68	27.59		1468.3							
	OBS	00226	03.37	34.63	27.58		1467.4							
	STD	00250	02.97	34.62	27.61	00.196	1466.1							
	OBS	00231	02.96	34.62	27.61		1466.1							
	OBS	00276	02.90	34.62	27.61		1466.2							
	OBS	00298	02.71	34.61	27.62		1465.7							
	STD	00300	02.75	34.62	27.62	00.221	1465.9							
	OBS	00304	02.68	34.64	27.63		1466.6							
	OBS	00310	02.96	34.67	27.65		1467.1							
	OBS	00325	02.87	34.67	27.66		1467.0							
	OBS	00340	04.41	34.90	27.68		1474.0							
	OBS	00352	04.42	34.92	27.70		1474.3							
	OBS	00376	04.62	34.94	27.69		1475.6							
	OBS	00388	04.16	34.87	27.69		1473.8							
	STD	00400	04.12	34.87	27.69	00.269	1473.8							
	OBS	00401	04.12	34.87	27.69		1473.8							
	OBS	00418	04.10	34.88	27.70		1474.0							
	OBS	00422	04.41	34.96	27.73		1475.5							
	OBS	00453	04.69	34.99	27.72		1477.2							
	STD	00500	04.62	34.99	27.73	00.313	1477.7							
	OBS	00502	04.61	34.99	27.73		1477.7							
	OBS	C0550	04.44	34.97	27.74		1477.7							
	STD	00600	04.37	34.96	27.74	00.356	1476.3							
	OBS	00601	04.37	34.96	27.74		1478.3							
	OBS	00631	04.24	34.96	27.75		1478.6							
	STD	00700	04.19	34.96	27.76	00.399	1479.2							
	OBS	C0702	04.19	34.96	27.76		1479.2							
	OBS	00750	04.16	34.96	27.76		1479.9							
	STD	00800	04.20	34.98	27.77	00.441	1480.9							
	OBS	00803	04.20	34.98	27.77		1480.9							
	OBS	00850	04.10	34.97	27.77		1481.3							
	STD	00900	03.97	34.95	27.77	00.483	1481.5							
	OBS	00902	03.96	34.95	27.77		1481.5							
	OBS	00951	03.87	34.94	27.77		1482.0							
	STD	01000	03.87	34.95	27.78	00.525	1482.8							
	OBS	01003	03.87	34.95	27.78		1482.9							
	OBS	01018	03.83	34.94	27.78		1482.9							

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Table 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

*SFIO 31 8454	YEAR 1975	BOTOP 00650	AIR TEMP 00.0	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1306
CONSEC 0365	MONTH 04	SHIP EV	WET BULB 00.0	25 2 3	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 44 44 N	DAY 22	DATA USE 1	BAROMETR 1015.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 50 W	HOUR 20.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X7	OR BG 011 754 09	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	00.23	32.87	26.40	00.000	1447.4							
20.4	OBS	00001	00.23	32.87	26.40		1447.4							
	OBS	00005	00.23	32.88	26.41		1447.5							
	OBS	00007	- 0.49	32.84	26.41		1444.2							
	STO	00010	- 0.58	32.89	26.45	00.016	1443.8							
	OBS	00011	- 0.62	32.91	26.47		1443.7							
	STO	00020	- 0.64	32.90	26.48	00.032	1443.7							
	OBS	00020	- 0.64	32.90	26.46		1443.8							
	STO	00030	- 0.63	32.90	26.46	00.048	1444.0							
	OBS	00030	- 0.63	32.90	26.46		1444.0							
	STO	00050	- 0.63	32.91	26.47	00.079	1444.3							
	OBS	00051	- 0.63	32.92	26.48		1444.3							
	OBS	00066	- 1.27	33.12	26.66		1441.9							
	OBS	00072	- 1.35	33.22	26.74		1441.5							
	STO	00075	- 1.37	33.25	26.77	00.115	1441.7							
	OBS	00076	- 1.36	33.26	26.78		1441.8							
	STO	00100	- 1.39	33.35	26.85	00.146	1442.2							
	OBS	00102	- 1.39	33.40	26.89		1442.3							
	OBS	00104	- 1.30	33.44	26.92		1442.8							
	OBS	00106	- 1.02	33.50	26.96		1444.2							
	OBS	00112	- 0.87	33.50	26.95		1445.0							
	STO	00125	- 0.24	33.65	27.05	00.174	1448.4							
	OBS	00125	- 0.21	33.66	27.06		1448.5							
	STO	00150	00.60	33.93	27.22	00.157	1453.5							
	OBS	00150	00.81	33.93	27.22		1454.0							
	OBS	00175	00.95	34.05	27.31		1455.2							
	STO	00200	01.13	34.15	27.38	00.236	1456.6							
	OBS	00201	01.15	34.16	27.38		1456.7							
	OBS	00226	01.40	34.24	27.43		1458.3							
	STO	00250	01.49	34.27	27.45	00.270	1459.1							
	OBS	00253	01.50	34.28	27.45		1459.2							
	OBS	00276	01.58	34.32	27.48		1460.0							
	STO	00300	01.69	34.37	27.51	00.301	1461.0							
	OBS	00300	01.69	34.37	27.51		1461.0							
	OBS	00350	01.83	34.46	27.57		1462.5							
	OBS	00399	02.06	34.56	27.64		1464.5							
	STO	00400	02.08	34.56	27.64	00.355	1464.6							
	OBS	00403	02.29	34.55	27.64		1465.6							
	OBS	00451	02.58	34.63	27.65		1467.7							
	OBS	00458	02.83	34.68	27.67		1469.0							
	STO	00500	03.20	34.78	27.71	00.401	1471.4							
	OBS	00502	03.21	34.78	27.71		1471.5							
	OBS	00550	03.31	34.80	27.72		1472.7							
	STO	00600	03.37	34.81	27.72	00.444	1473.8							
	OBS	00603	03.37	34.81	27.72		1473.9							
	OBS	00651	03.35	34.82	27.73		1474.8							
	STO	00700	03.39	34.83	27.73	00.487	1475.6							
	OBS	00700	03.35	34.83	27.73		1475.6							
	OBS	00750	03.44	34.84	27.74		1476.7							
	STO	00800	03.46	34.85	27.74	00.530	1477.6							
	OBS	00803	03.46	34.85	27.74		1477.7							
	OBS	00818	03.46	34.85	27.74		1477.9							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

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REFID   31  8454      YEAR 1975      BOTOP 00305     AIR TEMP   00.8     DIR HGT PER     WIND-DIR 07     INST STD RECORDER        TEN SO 1306
CONSEC      0066       MONTH  04      SHIP EV         WET BULB   00.5     24   2   3      WIND-SPD 09     TRACE DIR        C       5 SQUARE  2
LAT     44 43.8N      DAY    22       DATA USE  1     BAROMETR 1016.5     SEA             WIND-FOR        DURATICA      00.5       2 SQUARE 48
LONG   049 00.8W      HOUR 21.9       AREA      05     CLCUO T/A          CL/TR           WEATHER  X7     ORIG 011 755             1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	- 0.07	32.88	26.42	00.000	1446.0							
21.9	OBS	00001	- 0.07	32.88	26.42		1446.1							
	OBS	00005	- 0.21	32.84	26.40		1445.4							
	OBS	00007	- 0.45	32.89	26.45		1444.4							
	STD	00010	- 0.50	32.89	26.45	00.016	1444.2							
	OBS	00011	- 0.53	32.89	26.45		1444.1							
	STD	00020	- 0.60	32.90	26.46	00.032	1443.9							
	OBS	C0020	- 0.61	32.90	26.46		1443.9							
	STD	00030	- 0.63	32.90	26.46	00.048	1444.0							
	OBS	00030	- 0.63	32.90	26.46		1444.0							
	STD	C0050	- 0.69	32.91	26.47	00.079	1444.0							
	OBS	00053	- 0.70	32.91	26.47		1444.0							
	OBS	00059	- 0.72	32.91	26.47		1444.0							
	OBS	00066	- 1.31	33.06	26.61		1441.6							
	OBS	00070	- 1.45	33.25	26.77		1441.3							
	STD	00075	- 1.23	33.30	26.80	00.114	1442.5							
	OBS	00076	- 1.19	33.31	26.81		1442.7							
	OBS	00085	- 1.07	33.37	26.86		1443.5							
	OBS	00089	- 1.29	33.48	26.95		1442.7							
	OBS	00095	- 0.70	33.58	27.01		1445.7							
	STD	00100	- 0.38	33.63	27.04	00.143	1447.3							
	OBS	00100	- 0.33	33.64	27.05		1447.3							
	STD	00125	00.31	33.74	27.09	00.168	1451.0							
	OBS	00125	00.32	33.74	27.09		1451.1							
	STD	00150	00.42	33.76	27.10	00.192	1452.0							
	OBS	C0150	00.42	33.76	27.11		1452.0							
	OBS	00175	00.58	33.82	27.14		1453.2							
	STD	00200	00.80	33.91	27.21	00.238	1454.7							
	OBS	00201	00.81	33.92	27.21		1454.8							
	OBS	00226	00.91	34.01	27.28		1455.8							
	STD	00250	01.04	34.07	27.31	00.279	1456.8							
	OBS	00251	01.05	34.07	27.32		1456.9							
	OBS	00276	01.26	34.18	27.39		1458.4							
	OBS	00297	01.40	34.23	27.42		1459.4							

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REFID   31  8454      YEAR 1975      BOTOP 00082     AIR TEMP   00.5     DIR HGT PER     WIND-DIR 07     INST STD RECORDER        TEN SO 1306
CONSEC      0067       MONTH  04      SHIP EV         WET BULB   00.3     23   2   4      WIND-SPD 09     TRACE DIR        C       5 SQUARE  2
LAT     44 47.7N      DAY    22       DATA USE  1     BAROMETR 1016.5     SEA             WIND-FOR        DURATION      00.0       2 SQUARE 48
LONG   045 06.3W      HOUR 23.1       AREA      05     CLCUO T/A          CL/TR           WEATHER  X2     ORIG 011 756             1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	- 0.45	32.90	26.45	00.000	1444.3							
23.1	OBS	00001	- 0.45	32.90	26.45		1444.3							
	OBS	00003	- 0.48	32.89	26.45		1444.2							
	STD	00010	- 0.49	32.90	26.45	00.016	1444.3							
	OBS	00011	- 0.49	32.90	26.46		1444.3							
	STD	00020	- 0.52	32.90	26.46	00.032	1444.3							
	OBS	00020	- 0.52	32.90	26.46		1444.3							
	STD	00030	- 0.55	32.90	26.46	00.047	1444.3							
	OBS	00030	- 0.55	32.90	26.46		1444.3							
	STD	00050	- 0.63	32.91	26.47	00.079	1444.3							
	OBS	00051	- 0.66	32.92	26.48		1444.2							
	OBS	00070	- 1.27	33.14	26.68		1442.0							
	OBS	00074	- 1.25	33.18	26.71		1442.2							

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REFID   31  8454      YEAR 1975      BOTOP 00068     AIR TEMP   01.1     DIR HGT PER     WIND-DIR 27     INST STC RECORDER        TEN SO 1306
CONSEC      0068       MONTH  04      SHIP EV         WET BULB   00.8     15   2   4      WIND-SPD 03     TRACE DIR        C       5 SQUARE  2
LAT     44 50 N       DAY    22       DATA USE  1     BARCMETR 1016.1     SEA             WIND-FOR        DURATION      00.0       2 SQUARE 48
LONG   045 20.5W      HOUR 00.4       AREA      05     CLCUO T/A          CL/TR           WEATHER  X2     CRIG 011 757             1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.29	32.90	26.42	C0.000	1447.7							
00.4	OBS	00001	00.29	32.90	26.42		1447.7							
	OBS	00009	00.13	32.87	26.40		1447.1							
	STD	00010	00.11	32.88	26.41	00.016	1447.0							
	OBS	00011	C0.06	32.90	26.43		1446.8							
	STD	00020	00.05	32.92	26.45	00.032	1447.0							
	OBS	00020	00.04	32.92	26.45		1446.9							
	STD	00030	- 0.26	32.94	26.48	00.048	1445.7							
	OBS	00030	- 0.27	32.94	26.48		1445.7							
	STD	00050	- 0.71	33.00	26.54	00.079	1444.1							
	OBS	00051	- 0.72	33.00	26.55		1444.0							
	OBS	00059	- 0.72	33.00	26.55		1444.2							

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TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIO 31 8454	YEAR 1975	BOTOP 00044	AIR TEMP 02.0	OIA HGT PEA	WIND-OIR 24	INST STD RECORDER	TEN SO 1306
CONSEC 0065	MONTH 04	SHIP EV	WET BULB 01.5	45 1 1	WIND-SPO 16	TRACE OIA C	5 SQUARE 2
LAT 44 01.5N	DAY 23	DATA USE 1	BARCHETA 1017.3	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 048 29 W	HOUR 04.5	AREA 05	CLOUD 7/A	CL/TR	WEATHER X2	ORIG 011 756	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.41	32.86	26.32	60.000	1452.7							
04.5	OBS	00000	01.41	32.86	26.32		1452.7							
	STD	C0010	01.27	32.89	26.36	00.017	1452.3							
	OBS	00011	01.25	32.90	26.37		1452.2							
	STD	C0020	01.06	32.56	26.42	00.033	1451.7							
	OBS	00020	01.07	32.96	26.43		1451.7							
	OBS	00026	01.04	32.98	26.44		1451.7							
	STD	00030	01.04	32.98	26.44	00.049	1451.7							
	OBS	00030	01.04	32.98	26.44		1451.7							
	OBS	00038	01.04	32.98	26.44		1451.8							

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REFIC 31 8454	YEAR 1975	BOTOP 00050	AIA TEMP 01.5	OIA HGT PER	WIND-OIR 26	INST STC RECORDER	TEN SO 1306
CONSEC 0070	MONTH 04	SHIP EV	WET BULB 01.0	00 0 X	WIND-SPO 06	TRACE OIR 0	5 SQUARE 2
LAT 43 56.8N	DAY 23	DATA USE 1	BARCHETA 1019.6	SEA	WIND-FOA	DURATION 00.0	2 SQUARE 28
LONG 049 10 W	HOUR 06.6	AREA 05	CLOUD 7/A	CL/TR	WEATHEA X0	ORIG 011 759	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.31	32.95	26.46	00.000	1447.9							
06.6	OBS	00001	00.31	32.95	26.46		1447.9							
	STD	00010	00.29	32.53	26.45	00.016	1447.9							
	OBS	00011	00.29	32.93	26.44		1447.9							
	OBS	00017	00.09	32.92	26.45		1447.1							
	STD	00020	00.22	33.01	26.51	00.031	1447.9							
	OBS	00020	00.25	33.03	26.53		1448.0							
	STD	00030	00.23	33.03	26.53	00.047	1448.1							
	OBS	00030	00.23	33.03	26.53		1448.1							
	STD	00050	00.25	33.07	26.56	00.077	1448.6							
	OBS	00051	00.26	33.08	26.57		1448.7							
	OBS	00055	00.29	33.10	26.58		1448.8							
	OBS	00060	- 0.66	33.07	26.60		1444.6							
	OBS	00068	- 0.70	33.11	26.63		1444.6							
	STD	00075	- 0.53	33.14	26.65	00.113	1445.5							
	OBS	00076	- 0.51	33.14	26.65		1445.6							
	OBS	00081	- 0.47	33.15	26.66		1445.5							

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REFIO 31 8454	YEAR 1975	BOTOP 00450	AIR TEMP 00.8	OIA HGT PER	WIND-OIR 26	INST STC RECORDER	TEN SO 1306
CONSEC 0071	MONTH 04	SHIP EV	WET BULB 00.7	00 0 X	WIND-SPO 04	TRACE OIA 0	5 SQUARE 2
LAT 43 52.2N	DAY 23	DATA USE 1	BARCHETA 1018.2	SEA	WIND-FOA	DURATION 00.2	2 SQUARE 28
LONG 048 59.8N	HOUR 07.8	AREA 05	CLOUD 7/A	CL/TR	WEATHER X1	ORIG 011 760	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.05	32.95	26.47	00.000	1446.7							
07.8	OBS	00000	00.05	32.95	26.47		1446.7							
	STD	00010	00.07	32.95	26.47	00.016	1446.9							
	OBS	00011	00.07	32.95	26.47		1447.0							
	STD	00020	00.04	32.95	26.47	00.031	1447.0							
	OBS	00020	00.02	32.95	26.47		1446.9							
	STD	00030	- 0.48	32.99	26.53	00.047	1444.6							
	OBS	00030	- 0.50	32.99	26.53		1444.7							
	STD	00050	- 0.95	33.14	26.67	00.076	1443.1							
	OBS	00051	- 0.96	33.15	26.66		1443.0							
	STD	00075	- 1.28	33.28	26.79	00.105	1442.2							
	OBS	00076	- 1.29	33.28	26.79		1442.2							
	OBS	00067	- 1.31	33.29	26.80		1442.3							
	STD	00100	- 1.30	33.30	26.81	00.140	1442.6							
	OBS	00102	- 1.29	33.31	26.81		1442.6							
	STD	00125	- 1.21	33.40	26.88	00.170	1443.5							
	OBS	00125	- 1.20	33.40	26.88		1443.6							
	STD	C0150	- 0.65	33.48	26.94	00.199	1445.7							
	OBS	00152	- 0.62	33.49	26.94		1445.5							
	OBS	00175	- 0.55	33.55	26.58		1447.6							
	STD	00200	- 0.23	33.63	27.04	00.252	1445.6							
	OBS	00203	- 0.18	33.65	27.05		1450.0							
	OBS	00228	00.22	33.77	27.12		1452.4							
	STD	00250	00.66	33.69	27.20	00.300	1455.0							
	OBS	00255	00.76	33.53	27.22		1455.5							
	OBS	00277	01.02	34.13	27.37		1457.3							
	OBS	00283	01.16	34.16	27.40		1456.2							
	OBS	00289	01.77	34.30	27.45		1461.1							
	STD	00300	02.03	34.33	27.46	00.338	1462.4							
	OBS	00302	02.08	34.34	27.46		1462.7							
	OBS	C0350	02.03	34.48	27.57		1463.5							
	STD	00400	02.75	34.65	27.64	00.395	1467.8							
	OBS	00401	02.81	34.65	27.64		1467.9							
	OBS	00451	03.24	34.76	27.69		1470.7							
	OBS	00489	03.40	34.80	27.71		1472.1							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N C O C   S T A T I O N   D A T A

REFID 31 8454	YEAR 1975	BCTCP 01500	AIR TEMP 00.0	DIR HGT PER	WIND-DIR 20	INST STC RECORDER	TEA SO 1306
CONSEC 0072	MONTH 04	SHIP EV	WET BULB 00.0	00 0 X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 43 47 N	DAY 23	DATA USE 1	BAROMETR 1015.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26
LONG 048 46 W	HOUR 09.3	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	OR LG 011 761	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.23	32.89	26.44	CO.000	1445.3						
09.3	OBS	CC000	- 0.23	32.89	26.44		1445.3						
	STD	00010	- 0.24	32.89	26.44	00.016	1445.4						
	OBS	00011	- 0.24	32.89	26.44		1445.4						
	OBS	00015	- 0.37	32.88	26.43		1444.9						
	STD	00020	- 0.40	32.90	26.45	00.032	1444.8						
	OBS	00020	- 0.41	32.90	26.45		1444.8						
	STD	00030	- 0.48	32.92	26.47	00.048	1444.7						
	OBS	00030	- 0.48	32.92	26.47		1444.7						
	OBS	00043	- 0.55	32.94	26.49		1444.6						
	STD	00050	- 1.21	33.17	26.70	00.077	1442.0						
	OBS	00051	- 1.31	33.21	26.73		1441.8						
	OBS	00064	- 1.39	33.30	26.81		1441.5						
	STD	00075	- 1.30	33.34	26.84	00.109	1442.2						
	OBS	00076	- 1.29	33.35	26.85		1442.3						
	OBS	00093	- 1.08	33.48	26.95		1443.7						
	STD	00100	- 0.68	33.56	27.00	00.137	1445.8						
	OBS	00100	- 0.63	33.57	27.00		1446.1						
	STD	00125	00.15	33.68	27.05	00.163	1450.2						
	OBS	00125	00.18	33.68	27.05		1450.3						
	STD	00150	00.55	33.95	27.25	00.187	1452.8						
	OBS	00150	00.56	33.95	27.25		1452.9						
	OBS	00175	01.11	34.13	27.36		1456.0						
	STD	00200	01.30	34.18	27.39	00.225	1457.3						
	OBS	00201	01.31	34.18	27.39		1457.4						
	OBS	00226	01.38	34.24	27.43		1458.2						
	STD	00250	01.73	34.38	27.51	00.257	1460.4						
	OBS	00251	01.81	34.39	27.52		1460.7						
	OBS	00258	02.37	34.49	27.56		1463.4						
	OBS	00270	03.06	34.56	27.55		1466.7						
	OBS	00274	03.13	34.61	27.58		1467.1						
	OBS	00281	03.49	34.64	27.57		1468.9						
	OBS	00291	03.87	34.75	27.62		1470.8						
	OBS	C0295	04.24	34.79	27.62		1472.4						
	STD	00300	04.30	34.78	27.60	00.285	1472.8						
	OBS	00302	04.33	34.77	27.59		1472.9						
	OBS	00323	02.13	34.51	27.59		1463.5						
	OBS	00350	02.17	34.55	27.62		1464.2						
	STD	C0400	02.73	34.65	27.65	00.335	1467.5						
	OBS	00401	02.74	34.65	27.65		1467.6						
	OBS	00451	03.03	34.70	27.66		1465.8						
	STD	00500	03.35	34.77	27.69	00.382	1472.0						
	OBS	00500	03.35	34.77	27.69		1472.0						
	OBS	00552	03.62	34.83	27.71		1474.1						
	STD	00600	03.72	34.86	27.72	00.426	1475.4						
	OBS	00603	03.73	34.86	27.72		1475.5						
	OBS	00652	03.60	34.85	27.73		1475.7						
	STD	00700	03.59	34.86	27.74	00.465	1476.5						
	OBS	00700	03.59	34.86	27.74		1476.5						
	OBS	00750	03.56	34.87	27.75		1477.2						
	STD	00800	03.55	34.87	27.75	00.512	1478.0						
	OBS	00803	03.55	34.87	27.75		1478.1						
	OBS	00854	03.60	34.88	27.75		1479.1						
	STD	C0900	03.71	34.90	27.76	00.555	1480.4						
	OBS	00900	03.71	34.90	27.76		1480.4						
	OBS	00951	03.85	34.93	27.77		1481.9						
	STD	C1000	03.93	34.95	27.77	00.558	1483.1						
	OBS	01003	03.94	34.95	27.77		1483.1						
	OBS	01018	03.95	34.95	27.77		1483.6						

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

RSFID 31 8454	YEAR 1975	BCTOP 03081	AIR TEMP 02.7	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SO 1306
CONSEC 0073	MONTH 04	SHIP EV	WET BULB 02.0	06 1 2	WIND-SPD 14	TRACE DIR 0	S SQUARE 2
LAT 43 43.2N	DAY 23	DATA USE 1	BARCMETR 1021.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LCNG 048 27 W	HOUR 11.5	AREA 05	CLOUD T/A	CL/TR	WEATHER A2	CRIG 011 762 18	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.85	33.45	26.59	00.000	1464.1							
11.5	OBS	00000	03.85	33.45	26.59		1464.1							
	STD	C0010	03.78	33.44	26.59	00.015	1464.0							
	OBS	00011	03.77	33.44	26.59		1464.0							
	OBS	00017	03.71	33.50	26.65		1463.9							
	STD	00020	04.25	33.63	26.65	00.029	1466.4							
	OBS	00020	04.33	33.63	26.69		1466.7							
	OBS	00022	C4.35	33.57	26.64 •		1466.8							
	OBS	00024	03.83	33.61	26.72		1464.7							
	OBS	00028	02.20	33.44	26.73		1457.5							
	STD	00030	02.21	33.45	26.74	00.042	1457.6							
	OBS	00030	02.21	33.46	26.75		1457.6							
	OBS	00032	01.74	33.39	26.72 •		1455.4							
	OBS	00034	01.64	33.48	26.80		1455.2							
	OBS	00038	01.65	33.51	26.83		1455.3							
	OBS	00040	01.84	33.54	26.84		1456.2							
	OBS	00045	00.39	33.45	26.86		1449.7							
	STD	00050	00.53	33.58	26.96	00.066	1450.6							
	OBS	00051	00.57	33.61	26.98		1450.8							
	OBS	00053	00.62	33.63	26.99		1451.1							
	OBS	00055	00.81	33.64	26.99		1452.0							
	OBS	00060	01.77	33.76	27.02		1456.6							
	OBS	00066	01.95	33.78	27.02		1457.5							
	OBS	00068	02.87	33.94	27.07		1461.7							
	OBS	00070	03.17	33.97	27.07		1463.1							
	OBS	00072	03.19	33.96	27.06		1463.2							
	OBS	00074	03.47	34.04	27.10		1464.5							
	STD	00075	03.59	34.06	27.10	00.092	1465.1							
	OBS	00078	03.97	34.13	27.12		1466.8							
	OBS	00093	04.60	34.30	27.19		1470.0							
	OBS	00097	05.44	34.41	27.18		1473.6							
	STD	00100	05.47	34.40	27.17	00.116	1473.8							
	OBS	00102	05.50	34.38	27.15		1473.9							
	OBS	00106	05.14	34.33	27.15		1472.4							
	OBS	00112	05.41	34.42	27.19		1473.8							
	OBS	00116	04.73	34.31	27.18		1470.9							
	OBS	00123	04.58	34.29	27.18		1470.4							
	STD	00125	04.78	34.36	27.21	00.138	1471.3							
	OBS	00127	05.07	34.45	27.25		1472.7							
	OBS	00137	05.09	34.43	27.23		1472.9							
	STD	00150	05.12	34.43	27.23	00.160	1473.2							
	OBS	00150	05.12	34.43	27.23		1473.2							
	OBS	00156	05.09	34.43	27.23		1473.2							
	OBS	00173	04.32	34.38	27.28		1470.2							
	OBS	00177	04.01	34.34	27.28		1468.9							
	OBS	00196	03.53	34.37	27.31		1467.2							
	OBS	00195	03.56	34.43	27.40		1467.5							
	STD	00200	03.57	34.43	27.40	00.200	1467.6							
	OBS	00207	04.23	34.51	27.35		1470.6							
	OBS	00220	04.48	34.56	27.41		1471.9							
	OBS	00228	04.23	34.55	27.43		1471.0							
	OBS	00234	04.30	34.56	27.43		1471.4							
	OBS	00239	04.67	34.65	27.46		1473.1							
	OBS	00243	04.64	34.70	27.50		1473.1							
	STD	C0250	04.81	34.68	27.47 •	00.233	1473.9							
	OBS	00251	04.84	34.68	27.46		1474.1							
	OBS	00276	05.03	34.74	27.49		1475.3							
	OBS	00283	04.67	34.71	27.50		1473.9							
	STD	00300	04.92	34.80	27.54	00.264	1475.3							
	OBS	00302	04.96	34.81	27.55		1475.6							
	OBS	00304	04.93	34.80	27.55		1475.5							
	OBS	00310	04.67	34.77	27.55		1474.5							
	OBS	00350	04.75	34.86	27.61		1475.6							
	STD	00400	04.80	34.91	27.65	00.319	1476.6							
	OBS	00405	04.80	34.91	27.65		1476.7							
	OBS	00451	04.84	34.95	27.68		1477.7							
	STD	00500	04.85	34.98	27.70	00.367	1478.6							
	OBS	00500	04.85	34.98	27.70		1478.6							
	OBS	00544	04.69	34.97	27.71		1478.7							
	STD	C0600	04.57	34.96	27.72	00.413	1479.1							
	OBS	00691	04.37	34.96	27.74		1479.8							
	STD	00700	04.30	34.96	27.74	00.458	1479.6							
	OBS	00700	04.30	34.96	27.74		1479.6							
	OBS	00750	04.23	34.95	27.74		1480.1							
	STD	00800	04.17	34.96	27.76	00.501	1480.7							
	OBS	00801	04.17	34.96	27.76		1480.8							
	OBS	00852	04.08	34.95	27.76		1481.2							
	STD	C0900	04.01	34.94	27.76	00.544	1481.7							
	OBS	00902	04.01	34.94	27.76		1481.7							
	OBS	00953	03.87	34.93	27.77		1482.0							
	STD	C1000	03.82	34.92	27.76	00.588	1482.6							
	OBS	01003	03.82	34.92	27.76		1482.6							
	OBS	01018	03.85	34.94	27.78		1483.0							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA

FSFIO 31 0454		YEAR 1975	BOTOP 02215	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 29	INST STC RECORDER	TEN SO 1306
CONSEC 0074		MONTH 04	SHIP EV	WET BULB 02.8	29 2 2	WIND-SPO 22	TRACE DIP 0	S SQUARE 2
LAT 43 34 N		DAY 23	DATA USE 1	BAROMETR 1024.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 048 02 W		HOUR 14.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 763 18	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.0	STO	00000	11.05	35.40	27.10	CO.000	1454.7							
	OBS	00003	11.05	35.40	27.10		1454.7							
	STO	00010	11.05	35.40	27.10	00.010	1454.8							
	OBS	00011	11.05	35.40	27.10		1454.9							
	STO	00020	11.07	35.40	27.09	00.020	1495.1							
	OBS	00020	11.07	35.40	27.09		1455.1							
	STO	00050	11.06	35.40	27.09	00.025	1495.2							
	OBS	00030	11.06	35.40	27.09		1455.2							
	STO	00050	11.07	35.40	27.09	00.045	1455.6							
	OBS	00051	11.07	35.40	27.09		1455.6							
	STO	00075	11.07	35.40	27.09	00.074	1456.0							
	OBS	00076	11.07	35.40	27.09		1456.0							
	STO	00100	11.07	35.41	27.10	0C.099	1456.4							
	OBS	00100	11.07	35.41	27.10		1456.4							
	STO	00125	11.09	35.40	27.09	00.124	1456.9							
	OBS	00125	11.09	35.40	27.09		1456.9							
	STO	CO150	11.09	35.41	27.10	0C.149	1457.3							
	OBS	00150	11.09	35.41	27.10		1457.3							
	OBS	00175	11.09	35.40	27.09		1457.7							
	STO	CO200	11.10	35.41	27.09	00.200	1458.1							
	OBS	00201	11.10	35.41	27.09		1458.2							
	OBS	00226	11.00	35.38	27.09		1458.2							
	OBS	00237	10.94	35.38	27.10		1458.1							
	OBS	00243	10.53	35.30	27.11		1456.7							
	STO	00250	09.94	35.19	27.13	00.251	1454.5							
	OBS	00251	09.85	35.18	27.14		1454.2							
	OBS	CO260	09.55	35.16	27.17		1453.2							
	OBS	00276	08.92	35.06	27.20		1451.0							
	STO	00300	08.15	34.93	27.22	00.299	1488.3							
	OBS	00302	08.08	34.92	27.22		1488.1							
	OBS	00350	07.63	34.94	27.30		1487.2							
	STO	00400	06.70	34.90	27.40	00.382	1484.3							
	OBS	00401	06.69	34.90	27.40		1484.3							
	OBS	00426	06.81	34.98	27.45		1485.3							
	OBS	00430	06.52	34.93	27.45		1484.1							
	OBS	00451	06.55	34.96	27.47		1484.6							
	OBS	00468	06.27	34.92	27.48		1483.7							
	OBS	00472	05.91	34.87	27.48		1482.3							
	OBS	00498	05.68	34.87	27.51		1481.8							
	STO	CO500	05.60	34.86	27.51	00.452	1481.5							
	OBS	00502	05.45	34.83	27.51		1480.9							
	OBS	00523	04.47	34.73	27.54		1477.1							
	OBS	00550	04.37	34.78	27.59		1477.2							
	OBS	00559	04.78	34.88	27.63		1479.2							
	STO	00600	05.20	34.97	27.65	00.511	1481.7							
	OBS	00601	05.21	34.97	27.65		1481.8							
	OBS	00651	05.03	34.98	27.68		1481.8							
	STO	00700	04.78	34.98	27.71	00.561	1481.5							
	OBS	00700	04.78	34.98	27.71		1481.6							
	OBS	00750	04.66	34.97	27.71		1482.0							
	STO	00800	04.58	34.98	27.73	00.608	1482.5							
	OBS	00805	04.57	34.98	27.73		1482.5							
	OBS	00850	04.46	34.98	27.74		1482.8							
	STO	00900	04.24	34.95	27.74	00.654	1482.7							
	OBS	00902	04.23	34.95	27.74		1482.7							
	OBS	00955	04.21	34.95	27.75		1483.5							
	STO	C1000	04.12	34.95	27.75	00.699	1483.9							
	OBS	01001	04.12	34.95	27.76		1483.9							
	OBS	01022	04.08	34.95	27.76		1484.0							
	OBS	01024	04.08	34.95	27.76		1484.1							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O C C   S T A T I O N   D A T A

REFIO 31 8454	YEAR 1975	BOTOP 03217	AIR TEMP 05.6	DIR HGT PER	WIND-DIR 24	INST STC RECORDER	TEN SQ 1306
CONSEC 0075	MONTH 04	SHIP EV	WET BULB 03.3	33 3 4	WIND-SPO 17	TRACE DIR 0	S SQUARE 2
LAT 43 26.2N	DAY 23	DATA USE 1	BAROMETR 1026.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 24
LONG 047 33.8W	HOUR 16.7	AREA 05	CLOUD T/A	CL/TR	WEATHER 22	OR EG C1J 764 14	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.53	35.51	27.09	00.000	1496.5							
16.7	OBS	00000	11.53	35.51	27.09		1496.5							
	STD	00010	11.53	35.51	27.09	00.010	1496.7							
	OBS	00011	11.53	35.51	27.09		1496.7							
	STD	00020	11.53	35.52	27.10	00.020	1496.8							
	OBS	00020	11.53	35.52	27.10		1496.8							
	STD	00030	11.53	35.51	27.09	00.029	1497.0							
	OBS	00030	11.53	35.51	27.09		1497.0							
	STD	00050	11.53	35.51	27.09	00.049	1497.3							
	OBS	00051	11.53	35.51	27.09		1497.3							
	STD	00075	11.55	35.52	27.10	00.074	1497.8							
	OBS	00076	11.55	35.52	27.10		1497.8							
	STD	00100	11.53	35.51	27.09	00.099	1498.1							
	OBS	00100	11.53	35.51	27.09		1498.1							
	STD	00125	11.53	35.51	27.09	00.124	1498.5							
	OBS	00125	11.53	35.51	27.09		1498.5							
	STD	00150	11.53	35.51	27.09	00.150	1498.9							
	OBS	00150	11.53	35.51	27.09		1499.0							
	OBS	00175	11.52	35.50	27.09		1499.3							
	STD	00200	11.50	35.50	27.09	00.201	1499.7							
	OBS	00203	11.50	35.50	27.09		1499.7							
	OBS	00226	11.50	35.50	27.09		1500.1							
	STD	00250	11.48	35.49	27.09	00.253	1500.4							
	OBS	00253	11.48	35.48	27.08		1500.4							
	OBS	00270	11.09	35.38	27.07		1499.2							
	OBS	00277	10.12	35.24	27.14		1495.7							
	STD	00300	09.43	35.11	27.16	00.304	1493.4							
	OBS	00300	09.40	35.11	27.16		1493.3							
	OBS	00350	07.48	34.84	27.25		1486.5							
	STD	00400	07.48	34.93	27.32	00.394	1487.4							
	OBS	00401	07.48	34.93	27.32		1487.4							
	OBS	00449	06.72	34.87	27.38		1485.2							
	OBS	00453	06.48	34.82	27.37		1484.2							
	OBS	00479	06.07	34.81	27.41		1483.0							
	STD	00500	05.89	34.83	27.45	00.472	1482.7							
	OBS	00500	05.89	34.83	27.45		1482.6							
	OBS	00550	05.94	34.97	27.56		1483.9							
	STD	00600	05.31	34.90	27.58	00.536	1482.0							
	OBS	00601	05.30	34.90	27.58		1482.0							
	OBS	00651	05.37	35.00	27.65		1483.3							
	STD	00700	04.64	34.90	27.66	00.592	1481.0							
	OBS	00700	04.64	34.90	27.66		1481.0							
	OBS	00750	04.78	34.98	27.71		1482.5							
	STD	00800	04.72	34.98	27.71	00.642	1483.1							
	OBS	00801	04.72	34.98	27.71		1483.1							
	OBS	00850	04.51	34.97	27.73		1483.0							
	STD	00900	04.38	34.96	27.74	00.690	1483.3							
	OBS	00902	04.37	34.96	27.74		1483.3							
	OBS	00951	04.28	34.96	27.75		1483.7							
	OBS	00982	04.15	34.95	27.75		1483.7							
	STD	01000	04.16	34.95	27.75	00.735	1484.0							
	OBS	01003	04.16	34.95	27.75		1484.1							
	OBS	01018	04.16	34.96	27.76		1484.3							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MODC STATION DATA

REFID 31 8454	YEAR 1975	BOTCP 03647	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSIC 0076	MONTH 04	SNIP EV	WET BULB 02.5	27 2 2	WIND-SPD 14	TRACE DIA 0	5 SQUARE 2
LAT 43 14 N	DAY 23	DATA USE 1	BARDMETR 1029.0	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 26
LONG 047 13.5W	HOUR 19.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG CII 765 09	1 SQUARE 37

CASTHUR/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	04.39	33.78	26.80	00.000	1466.9							
19.6	OBS	00001	04.39	33.78	26.80		1466.9							
	STO	00010	04.40	33.78	26.80	00.013	1467.0							
	OBS	00011	C4.40	33.78	26.80		1467.1							
	STO	00020	04.42	33.80	26.81	00.025	1467.4							
	OBS	00020	04.43	33.81	26.82		1467.4							
	OBS	00028	04.51	33.92	26.90		1468.0							
	STO	00030	04.68	33.94	26.90	00.037	1468.8							
	OBS	00030	04.74	33.95	26.89		1469.0							
	STO	00050	05.33	34.08	26.93	00.060	1472.0							
	OBS	00051	05.37	34.09	26.93		1472.2							
	OBS	00059	04.96	53.95	26.87 ●		1470.4							
	OBS	00080	04.16	33.85	26.88		1467.0							
	OBS	00062	04.66	33.95	26.90		1469.2							
	OBS	00074	03.88	34.04	27.06		1466.3							
	STO	00075	03.99	34.06	27.06	00.087	1466.8							
	OBS	00076	04.15	34.09	27.07		1467.5							
	OBS	00078	04.46	34.16	27.09		1468.9							
	OBS	00079	04.23	34.12	27.08		1468.0							
	OBS	00083	04.42	34.15	27.09		1468.9							
	OBS	00095	03.63	34.02	27.07		1465.5							
	STO	00100	03.49	34.02	27.08	00.112	1465.0							
	OBS	00100	03.48	34.02	27.08		1465.0							
	OBS	00102	03.46	34.04	27.10		1465.0							
	OBS	00104	03.51	34.12	27.16		1465.3							
	OBS	00106	03.77	34.13	27.14		1466.5							
	OBS	C0118	04.03	34.21	27.18		1467.9							
	OBS	00121	05.08	34.35	27.17		1472.5							
	STO	00125	05.38	34.42	27.19	00.136	1473.9							
	OBS	00125	05.42	34.43	27.20		1474.0							
	OBS	00139	04.77	34.37	27.22		1471.5							
	OBS	00142	05.35	34.52	27.28		1474.2							
	OBS	00144	05.51	34.54	27.27		1474.9							
	STO	00150	05.29	34.49	27.26	00.158	1474.0							
	OBS	00154	05.25	34.48	27.26		1473.9							
	OBS	00159	05.38	34.50	27.26		1474.5							
	OBS	00169	03.73	34.28	27.26		1467.5							
	OBS	00173	03.47 '	34.24	27.26		1466.4							
	OBS	00175	03.55	34.31	27.30		1466.9							
	OBS	00188	03.96	34.40	27.34		1469.0							
	OBS	00190	03.90	34.39	27.33		1468.7							
	OBS	00196	03.02	34.25	27.31		1464.9							
	STO	00200	02.93	34.26	27.32	00.198	1464.4							
	OBS	00201	02.84	34.26	27.33		1464.2							
	OBS	00203	C2.90	34.28	27.34		1464.5							
	OBS	00205	03.44	34.34	27.34		1467.0							
	OBS	00207	03.50	34.39	27.37		1467.3							
	OBS	00211	04.18	34.47	27.37		1470.4							
	OBS	00215	05.11 P	34.67 P	27.420									
	OBS	00226	04.87	34.57	27.37 ●		1473.6							
	OBS	00237	04.97	34.63	27.41		1474.3							
	STO	00250	04.15	34.52	27.41	00.235	1470.9							
	OBS	00251	04.12	34.52	27.41		1470.8							
	OBS	00253	C4.10	34.52	27.42		1470.8							
	OBS	00276	04.23	34.59	27.46		1471.8							
	STO	00300	04.38	34.67	27.50	0C.268	1473.0							
	OBS	00300	04.35	34.67	27.50		1473.0							
	OBS	00344	04.75	34.81	27.57		1475.4							
	OBS	00348	04.75	34.79	27.56		1475.4							
	OBS	00352	04.46	34.74	27.55		1474.2							
	OBS	00354	04.42	34.77	27.58		1474.1							
	OBS	00382	04.39	34.76	27.58		1474.5							
	STO	00400	03.89	34.73	27.60	00.326	1472.6							
	OBS	00403	03.87	34.72	27.60		1472.6							
	OBS	00409	03.89	34.75	27.62		1472.8							
	OBS	00416	04.37	34.82	27.63		1475.0							
	OBS	00451	04.56	34.88	27.65		1476.5							
	STO	00500	04.60	34.93	27.69	00.376	1477.5							
	OBS	00500	04.60	34.93	27.69		1477.5							
	OBS	00552	04.35	34.95	27.71		1478.2							
	STO	00600	04.50	34.95	27.71	00.423	1478.8							
	OBS	00601	04.50	34.95	27.71		1478.8							
	OBS	00651	04.42	34.96	27.73		1479.3							
	STO	00700	04.35	34.96	27.74	00.468	1479.8							
	OBS	C0700	04.35	34.96	27.74		1479.8							
	OBS	00750	04.26	34.96	27.75		1480.3							
	STO	00800	04.14	34.95	27.75	00.511	1480.6							
	OBS	00801	04.14	34.95	27.75		1480.6							
	OBS	00850	04.05	34.95	27.76		1481.1							
	STO	C0900	03.99	34.95	27.77	00.554	1481.6							
	OBS	00902	03.99	34.95	27.77		1481.7							
	OBS	00951	03.94	34.95	27.77		1482.3							
	STO	01000	03.76	34.91	27.76	00.597	1482.3							
	OBS	01005	03.74	34.91	27.76		1482.3							
	OBS	01016	03.67	34.91	27.77		1482.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 03878	AIR TEMP 03.3	DIR HGT PER	WIND-DIR 32	INST STD RECORDER		TEN SD 1306		
CONSEC 0077	MONTH 04	SHIP EV	WET BULB 02.1	32 2 1	WIND-SPD 10	TRACE DIR 0		5 SQUARE 2		
LAT 43 10 N	DAY 23	DATA USE 1	BAROMETR 1031.5	SEA	WIND-FOR	DURATION 00.1		2 SQUARE 26		
LONG 046 49 W	HOUR 22.8	AREA 05	CLOUD 7/8	CL/TP	WEATHER X1	ORIG C11 766		1 SQUARE 36		

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.03	33.60	26.69	00.000	1465.1							
22.8	OBS	00003	04.03	33.60	26.69		1465.2							
	STD	00010	03.99	33.60	26.70	00.014	1465.1							
	OBS	00011	03.98	33.60	26.70		1465.1							
	STD	00020	03.92	33.59	26.70	00.027	1465.0							
	OBS	00020	03.91	33.59	26.70		1464.9							
	OBS	00024	03.83	33.57	26.69		1464.6							
	STD	00030	03.61	33.61	26.74	00.040	1463.8							
	OBS	00030	03.59	93.61	26.74		1463.7							
	STD	00050	03.81	33.83	26.90	00.065	1465.3							
	OBS	00051	03.82	33.84	26.90		1465.4							
	STD	00075	03.74	33.96	27.00	00.093	1465.6							
	OBS	00076	03.73	33.96	27.01		1465.6							
	OBS	00055	03.58	34.03	27.08		1465.3							
	STD	00100	03.48	34.05	27.10	00.119	1465.0							
	OBS	00100	03.46	34.05	27.11		1464.9							
	OBS	00104	03.39	34.04	27.11		1464.7							
	STD	00125	03.06	34.07	27.16	00.143	1463.6							
	OBS	00127	03.03	34.07	27.16		1463.6							
	OBS	00129	03.01	34.10	27.19		1463.6							
	STD	00150	03.08	34.15	27.22	00.165	1464.3							
	OBS	00150	03.08	34.15	27.22		1464.3							
	OBS	00177	03.18	34.27	27.31		1465.3							
	OBS	00160	03.13	34.27	27.31		1465.1							
	OBS	00186	03.64	34.38	27.35		1467.6							
	OBS	00194	03.73	34.43	27.38		1468.1							
	OBS	00199	04.16	34.50	27.39		1470.1							
	STD	00200	04.16	34.50	27.39	00.205	1470.2							
	OBS	00201	04.21	34.52	27.40		1470.4							
	OBS	00205	04.33	34.52	27.39		1471.0							
	OBS	00213	04.05	34.49	27.40		1469.9							
	OBS	00228	03.83	34.46	27.40		1469.2							
	STD	00250	03.44	34.48	27.45	00.235	1467.9							
	OBS	00251	03.42	34.48	27.45		1467.8							
	OBS	00276	03.99	34.62	27.51		1470.6							
	STD	00300	04.56	34.73	27.53	00.270	1473.8							
	OBS	00300	04.57	34.73	27.53		1473.8							
	OBS	00317	04.71	34.78	27.56		1474.8							
	OBS	00325	05.06	34.87	27.59		1476.4							
	STD	00400	04.73	34.88	27.63	00.326	1476.3							
	OBS	00401	04.71	34.88	27.63		1476.3							
	OBS	00403	04.69	34.90	27.65		1476.2							
	OBS	00451	04.93	34.96	27.67		1478.1							
	STD	00500	04.91	34.99	27.70	00.375	1478.9							
	OBS	00500	04.91	34.99	27.70		1478.9							
	OBS	00550	04.71	34.98	27.71		1478.9							
	STD	00600	04.69	34.99	27.72	00.420	1479.6							
	OBS	00603	04.69	34.99	27.72		1479.7							
	OBS	00651	04.61	34.99	27.73		1480.1							
	STD	00700	04.51	34.99	27.74	00.465	1480.5							
	OBS	00700	04.51	34.99	27.74		1480.5							
	OBS	00750	04.44	34.99	27.75		1481.1							
	STD	00800	04.33	34.98	27.76	00.508	1481.5							
	OBS	00801	04.33	34.98	27.76		1481.5							
	OBS	00852	04.08	34.95	27.76		1481.2							
	STD	00900	04.01	34.94	27.76	00.552	1481.7							
	OBS	00902	04.01	34.94	27.76		1481.7							
	OBS	00951	04.01	34.95	27.77		1482.6							
	STD	01000	03.95	34.94	27.77	00.595	1483.1							
	OBS	01001	03.94	34.94	27.77		1483.1							
	OBS	01018	03.82	34.53	27.77		1482.9							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFID 31 8454	YEAR 1975	BOTOP 04361	AIR TEMP 05.1	DIR FOT PER	WIND-OIR 30	INST STO RECORDER	TEN SG 1306
CONSEC 0078	MONTH 04	SHIP EV	WET BULB 03.0	00 0 X	WIND-SPO 12	TRACE CIR D	5 SQUARE 2
LAT 43 00 N	DAY 24	CATA USE 1	BARCHETR 1003.0	SEA	WIND-FOR	OURATION 00.5	2 SQUARE 26
LONG 046 21 W	HOUR 01.3	AREA 05	CLCUD T/A	CL/TR	WEATHER A2	ORIG 011 767	1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	15.00	36.07	26.81	00.000	1508.7							
01.3	OBS	00030	15.00	36.07	26.81		1508.7							
	STD	00010	15.01	36.06	26.80	00.013	1508.9							
	OBS	00010	15.01	36.06	26.80		1508.9							
	STD	00020	15.01	36.06	26.80	00.025	1509.1							
	OBS	C0020	15.01	36.06	26.80		1509.1							
	STD	00033	15.00	36.06	26.81	00.038	1509.2							
	OBS	00030	15.00	36.06	26.81		1509.2							
	STD	000S0	14.89	36.04	26.82	00.063	1509.1							
	OBS	00050	14.89	36.04	26.82		1509.1							
	OBS	00060	14.26	35.88	26.83		1507.1							
	STD	00075	14.17	35.91	26.87	00.094	1507.1							
	OBS	00075	14.17	35.91	26.87		1507.1							
	STD	00100	14.13	35.90	26.87	00.124	1507.4							
	OBS	00100	14.13	35.90	26.87		1507.4							
	STD	00125	13.98	35.87	26.88	00.155	1507.3							
	OBS	00125	13.97	35.87	26.88		1507.2							
	OBS	00129	13.87	35.86	26.90		1506.9							
	STD	00150	13.69	35.84	26.92	00.185	1506.7							
	OBS	00150	13.69	35.84	26.92		1506.7							
	OBS	00177	13.56	35.83	26.94		1506.7							
	STD	00200	13.47	35.79	26.93	00.244	1506.7							
	OBS	00201	13.45	35.79	26.93		1506.7							
	OBS	00226	13.06	35.72	26.96		1505.7							
	STD	00250	12.83	35.68	26.97	00.303	1505.2							
	OBS	00251	12.81	35.68	26.98		1505.2							
	OBS	00277	12.41	35.62	27.01		1504.2							
	STD	00300	12.05	35.54	27.02	00.360	1503.2							
	OBS	00302	12.00	35.53	27.02		1503.1							
	OBS	00350	10.84	35.35	27.10		1499.6							
	OBS	00354	10.62	35.33	27.12		1498.9							
	STD	00400	09.53	35.20	27.21	00.464	1495.5							
	OBS	00403	09.49	35.20	27.21		1495.4							
	OBS	00420	09.37	35.21	27.24	-	1495.3							
	OBS	00453	08.45	35.10	27.30		1492.2							
	STD	00500	07.92	35.09	27.38	00.552	1491.0							
	OBS	00502	07.89	35.09	27.38		1490.9							
	OBS	00552	07.27	35.06	27.45		1489.3							
	OBS	00560	06.83	35.03	27.49		1488.0							
	OBS	00566	06.50	34.96	27.48		1486.7							
	STD	00600	06.27	34.97	27.51	00.625	1486.0							
	OBS	00601	06.27	34.97	27.51		1486.0							
	OBS	00603	06.27	35.03	27.56		1486.1							
	OBS	00651	06.07	35.03	27.59		1486.1							
	STD	00700	05.66	35.02	27.63	00.687	1485.3							
	OBS	C0700	05.66	35.02	27.63		1485.3							
	OBS	00750	05.27	35.00	27.66		1484.5							
	STD	00800	05.08	34.99	27.68	00.741	1484.6							
	OBS	00803	05.07	34.99	27.68		1484.5							
	OBS	00852	04.84	34.98	27.70		1484.4							
	OBS	00854	04.80	34.98	27.70		1484.3							
	STD	00900	04.75	35.01	27.73	00.751	1484.9							
	OBS	00902	04.75	35.01	27.73		1484.5							
	OBS	00951	04.78	35.02	27.74		1485.9							
	STD	01000	04.73	35.02	27.74	00.838	1486.5							
	OBS	01001	04.73	35.02	27.74		1486.5							
	OBS	01018	04.66	35.01	27.74		1486.5							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REF10 31 8454	YEAR 1975	BOTDP 04226	AIR TEMP 04.6	DIR FGT PER	WIND-CIR 28	INST STO RECORDER	TEN SQ 1306
CONSEC 0075	MONTH 04	SHIP EV	WET BULB 01.6	00 0 8	WIND-SPD 04	TRACE CIR 0	S SQUARE 2
LAT 42 34 N	DAY 24	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FOR	DURATION	2 SQUARE 26
LONG 046 42 W	HOUR 05.2	AREA 05	CLOUD 7/A	CL/TR	WEATHER X1	ORIG 011 768	3 SQUARE 26

CASTNUR/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT-P	NO2	NO3	SIO3	PH
	STD	00000	06.64	33.71	26.47	00.000	1475.9							
05.2	OBS	00001	06.64	33.71	26.47		1476.0							
	OBS	00007	06.75	33.76	26.50		1476.6							
	STD	00010	07.10	33.93	26.98	00.015	1478.2							
	OBS	00011	07.34	34.00	26.61		1479.3							
	OBS	00015	08.14	34.08	26.55 •		1482.5							
	STD	00020	08.37	34.19	26.60	00.030	1483.6							
	OBS	00020	08.42	34.20	26.60		1483.8							
	OBS	00028	08.88	34.19	26.52 •		1485.7							
	STD	00030	08.23	34.12	26.57	00.044	1483.2							
	OBS	00030	08.12	34.10	26.57		1482.7							
	OBS	00032	08.30	34.30	26.70		1483.7							
	OBS	00034	08.46	34.29	26.67 •		1484.3							
	OBS	00036	08.39	34.33	26.71		1484.1							
	OBS	00041	08.51	34.38	26.73		1484.7							
	OBS	00045	09.30	34.65	26.85		1488.2							
	OBS	00047	05.71	34.77	26.84		1489.8							
	STD	00050	10.38	34.92	26.84	00.071	1452.5							
	OBS	00053	10.47	34.94	26.84		1452.5							
	OBS	00057	05.39	34.70	26.84		1488.7							
	OBS	C0060	08.97	34.68	26.89		1487.2							
	OBS	00074	09.70	34.97	27.00		1490.5							
	STD	00075	05.76	35.02	27.03	00.100	1490.8							
	OBS	00076	05.90	35.06	27.04		1451.3							
	OBS	00078	10.31	35.07	26.57 •		1452.5							
	STD	00100	10.69	35.16	26.98	00.127	1454.7							
	OBS	00100	10.71	35.17	26.98		1454.8							
	STD	00125	11.51	35.38	27.00	00.155	1458.3							
	OBS	00125	11.51	35.38	27.00		1458.3							
	OBS	00139	11.37	35.34	26.99		1458.0							
	OBS	00146	10.43	35.12	26.99		1454.5							
	STD	00150	10.25	35.14	27.04	00.182	1453.9							
	OBS	00150	10.23	35.14	27.04		1453.5							
	OBS	00156	09.57	35.02	26.99 •		1452.9							
	OBS	00159	09.43	34.94	27.02		1450.8							
	OBS	00163	09.21	34.88	27.01		1450.0							
	OBS	00177	08.87	34.90	27.08		1449.0							
	OBS	00184	08.83	34.89	27.08		1449.0							
	OBS	00188	08.70	34.83	27.05 •		1448.5							
	STD	00200	08.38	34.87	27.13	00.233	1447.5							
	OBS	00201	08.35	34.87	27.14		1447.4							
	OBS	00226	08.32	34.90	27.17		1447.7							
	STD	00250	08.32	34.96	27.21	00.281	1448.2							
	OBS	00251	08.32	34.96	27.21		1448.2							
	OBS	00276	08.07	34.94	27.24		1447.6							
	STD	C0300	07.90	34.93	27.25	00.325	1447.4							
	OBS	00300	07.89	34.93	27.26		1447.3							
	OBS	00344	07.25	34.94	27.36		1445.6							
	OBS	C0350	07.63	35.04	27.38		1447.3							
	STD	00400	08.04	35.16	27.41	00.407	1449.8							
	OBS	00401	08.05	35.16	27.41		1449.9							
	OBS	00451	07.16	35.05	27.49		1447.2							
	STD	00500	06.67	35.07	27.54	00.476	1446.1							
	OBS	00502	06.65	35.07	27.54		1446.0							
	OBS	00550	06.31	35.08	27.60		1445.5							
	OBS	00561	06.24	35.07	27.60		1445.4							
	OBS	00569	05.72	34.98	27.59		1443.3							
	STD	00600	05.46	34.98	27.63	00.535	1442.8							
	OBS	00601	05.45	34.98	27.63		1442.7							
	OBS	00651	05.19	35.00	27.67		1442.5							
	STD	00700	04.91	34.97	27.68	00.588	1442.1							
	OBS	00702	04.90	34.97	27.68		1442.2							
	OBS	00750	04.88	35.01	27.72		1442.5							
	OBS	00786	04.83	35.02	27.73		1443.4							
	STD	00800	04.90	35.03	27.73	00.636	1443.8							
	OBS	00803	04.91	35.03	27.73		1443.9							
	OBS	00850	04.76	35.02	27.74		1444.1							
	STD	00900	04.59	34.99	27.74	00.683	1444.2							
	OBS	00902	04.58	34.99	27.74		1444.2							
	OBS	00951	04.45	34.95	27.75		1444.5							
	STD	01000	04.37	34.98	27.75	00.730	1444.5							
	OBS	01003	04.36	34.98	27.75		1444.5							
	OBS	01012	04.31	34.97	27.75		1444.5							
	OBS	01022	04.31	34.98	27.76		1445.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

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KSFIO  31  8454      YEAR 1975     BOTOP 04244    AIR TEMP   04.3    DIR HGT PER   WIND-DIR 27    INST STD RECORDER        TEN SO 1306
CONSEC     0080      MONTH  04      SHIP EV        WET BULB   02.5    99   A   A    WIND-SPD 16    TRACE DIR        0       5 SQUARE  2
LAT    42 10.5N      DAY    24      DATA USE  1    BAROMETR 1030.1    SEA              WIND-FOR 16    DURATION                 2 SQUARE 26
LONG   047 01.5W     HOUR 08.9      AREA      05    CLOUD T/A          CL/TA            WEATHER  X1    ORIG 011 769             1 SQUARE 27
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.73	33.62	26.35	00.000	1476.2							
08.9	OBS	00003	06.73	33.62	26.39		1476.2							
	STD	00010	06.73	33.62	26.39	00.016	1476.3							
	OBS	00011	06.73	33.62	26.39		1476.4							
	OBS	00019	06.71	33.87	26.59		1476.7							
	STD	00020	06.99	33.55	26.62	00.032	1476.0							
	OBS	00020	07.16	33.99	26.62		1476.7							
	OBS	00022	07.23	53.94	26.57 *		1476.9							
	OBS	00026	07.66	34.09	26.63		1480.9							
	STD	C0030	07.71	34.15	26.67	00.046	1481.2							
	OBS	00030	07.75	34.16	26.67		1481.4							
	OBS	00034	08.25	34.27	26.68		1483.5							
	OBS	00041	08.59	34.34	26.69		1485.0							
	OBS	00049	08.07	34.26	26.70		1483.0							
	STD	00050	07.89	34.24	26.71	00.073	1482.3							
	OBS	00053	07.34	34.22	26.78		1480.2							
	OBS	0C059	08.92	34.69	26.91		1487.0							
	OBS	00062	09.73	34.84	26.89		1490.2							
	OBS	00068	10.19	34.98	26.92		1492.2							
	OBS	00070	10.53	35.04	26.91		1493.5							
	OBS	00074	11.24	35.27	26.56		1496.4							
	STD	00075	11.31	35.26	26.94	00.104	1496.6							
	OBS	00076	11.39	35.26	26.92		1496.9							
	OBS	00081	11.47	35.30	26.94		1497.4							
	OBS	00089	12.23	35.54	26.98		1500.4							
	OBS	00093	12.35	35.54	26.96		1500.9							
	OBS	00097	12.64	35.63	26.97		1502.0							
	STD	00100	12.65	35.62	26.56	00.133	1502.1							
	OBS	00100	12.65	35.62	26.56		1502.1							
	STD	00125	12.42	35.58	26.96	00.161	1501.6							
	OBS	00125	12.41	35.56	26.96		1501.6							
	STD	00150	12.23	35.56	27.00	00.185	1501.4							
	OBS	00150	12.23	35.56	27.00		1501.4							
	OBS	00175	12.01	35.53	27.02		1501.0							
	STD	00200	11.50	35.48	27.08	00.243	1499.6							
	OBS	00201	11.47	35.48	27.08		1499.5							
	OBS	00217	11.27	35.45	27.09		1499.1							
	OBS	00226	09.90	35.18	27.13		1494.0							
	OBS	00232	09.88	35.18	27.13		1494.0							
	OBS	C0236	08.67	34.68	27.10 *		1489.2							
	OBS	00239	08.62	34.55	27.16		1489.1							
	OBS	00243	07.78	34.76	27.14		1485.8							
	STD	00250	07.48	34.73	27.16	00.293	1484.7							
	OBS	00251	07.45	34.72	27.16		1484.6							
	OBS	00255	07.42	34.70	27.14		1484.5							
	OBS	00258	07.77	34.84	27.20		1486.1							
	OBS	00274	07.60	34.79	27.19		1485.6							
	OBS	00277	07.77	34.83	27.19		1486.4							
	OBS	00283	07.89	34.86	27.20		1487.0							
	OBS	00293	09.09	35.14	27.23		1492.0							
	STD	00300	09.16	35.13	27.21	00.340	1492.4							
	OBS	00300	09.17	35.12	27.20		1492.4							
	OBS	00308	08.14	34.96	27.24		1488.5							
	OBS	00310	08.36	35.00	27.24		1489.4							
	OBS	00317	08.31	35.00	27.25		1489.3							
	OBS	00323	07.48	34.83	27.24		1486.0							
	OBS	00350	07.89	34.98	27.29		1488.2							
	STD	00400	07.89	35.08	27.37	00.426	1489.2							
	OBS	00401	07.89	35.08	27.37		1489.2							
	OBS	00415	07.93	35.10	27.38		1489.6							
	OBS	00422	07.27	34.99	27.39		1487.0							
	OBS	00445	06.76	34.96	27.44		1485.4							
	OBS	00453	06.21	34.86	27.45		1483.2							
	OBS	00454	06.15	34.88	27.46		1483.0							
	OBS	00462	06.74	35.05	27.51		1485.7							
	OBS	00470	06.67	35.02	27.50		1485.5							
	OBS	00477	06.18	34.94	27.50		1483.6							
	OBS	00479	06.14	34.93	27.50		1483.4							
	OBS	00489	05.42	34.80	27.49		1480.5							
	OBS	00456	04.47	34.68	27.50		1476.6							
	OBS	00458	04.42	34.70	27.52		1476.4							
	STD	00500	04.29	34.68	27.52	00.497	1475.9							
	OBS	00504	03.91	34.63	27.52		1474.3							
	OBS	00521	03.37	34.57	27.53		1472.2							

TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00534	02.97	34.58	27.57		1470.7							
	OBS	00542	03.25	34.68	27.63		1472.2							
	OBS	00546	03.60	34.70	27.61		1473.8							
	OBS	00552	03.74	34.70	27.60		1474.5							
	OBS	00576	04.04	34.75	27.80		1476.2							
	OBS	00584	04.88	34.92	27.65		1480.0							
	STO	00600	04.99	34.94	27.65	00.554	1480.8							
	OBS	00603	05.01	34.94	27.65		1480.9							
	OBS	00605	05.02	34.94	27.65		1481.0							
	OBS	00611	05.28	35.00	27.66		1482.2							
	OBS	00620	05.15	34.98	27.66		1481.8							
	OBS	00626	04.67	34.89	27.65		1479.8							
	OBS	00651	04.40	34.87	27.66		1479.1							
	OBS	00658	04.53	34.90	27.67		1479.8							
	OBS	00662	05.02	34.99	27.69		1482.0							
	OBS	00664	05.02	35.00	27.69		1482.1							
	OBS	00668	05.32	35.04	27.69		1483.4							
	STO	00700	05.31	35.04	27.69	00.605	1483.5							
	OBS	00700	05.31	35.04	27.69		1483.9							
	OBS	00750	04.76	34.97	27.70		1482.4							
	STO	00800	04.75	34.99	27.72	00.654	1483.2							
	OBS	00801	04.75	34.99	27.72		1483.2							
	OBS	00850	04.77	35.03	27.75		1484.2							
	STO	C0900	04.69	35.02	27.75	00.701	1484.6							
	OBS	00904	04.68	35.02	27.75		1484.7							
	OBS	00951	04.60	35.01	27.75		1485.1							
	STO	01000	04.46	35.00	27.76	00.746	1485.3							
	OBS	01003	04.45	35.00	27.76		1485.3							
	OBS	01022	04.43	35.00	27.76		1485.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTOP 01650	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1308
CONSEC 0381	MONTH 04	SHIP EV	WET BULB 03.0	28 3 2	WIND-SPO 10	TRACE DIR 0	5 SQUARE 2
LAT 42 24 N	DAY 24	DATA USE 1	BARCMETR 1017.1	SEA	WIND-FOR	DURATION	2 SQUARE 26
LONG 047 22.8	HOUR 11.8	AREA 05	CLCUD T/A	CL/TR	WEATHER A1	ORIG 011 770 14	1 SQUARE 27

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.33	34.80	26.76	00.000	1491.3							
11.8	OBS	00001	10.33	34.80	26.76		1491.4							
	STD	00010	10.35	34.80	26.76	00.013	1491.6							
	OBS	00011	10.35	34.81	26.76		1491.6							
	STD	00020	10.69	34.92	26.78	00.026	1493.1							
	OBS	00020	10.73	34.93	26.79		1493.3							
	OBS	00026	11.00	35.03	26.82		1494.5							
	STD	00030	11.76	35.28	26.87	00.038	1497.5							
	OBS	00030	11.81	35.29	26.87		1497.7							
	OBS	00032	11.88	35.24	26.82 *		1497.5							
	OBS	00036	11.02	35.04	26.82		1494.7							
	OBS	00038	11.16	35.16	26.85		1495.4							
	OBS	00041	11.73	35.30	26.89		1497.6							
	OBS	00049	11.70	35.28	26.88		1497.6							
	STD	00050	11.76	35.33	26.91	00.062	1497.9							
	OBS	00051	11.93	35.43	26.91		1498.6							
	OBS	00057	12.36	35.48	26.91 *		1500.2							
	OBS	00059	12.62	35.61	26.96		1501.3							
	OBS	000t0	12.64	35.68	26.99		1501.5							
	OBS	00064	12.80	35.60	26.92 *		1502.0							
	STD	00075	12.81	35.60	26.91	00.091	1502.2							
	OBS	00076	12.81	35.60	26.91		1502.2							
	OBS	00087	12.71	35.57	26.91		1502.0							
	OBS	00091	11.83	35.36	26.92		1498.8							
	STD	00100	11.46	35.26	26.91	00.120	1497.5							
	OBS	00100	11.43	35.25	26.91		1497.5							
	STD	00125	11.72	35.41	26.98	00.145	1499.0							
	OBS	00125	11.72	35.41	26.98		1499.1							
	STD	00150	11.75	35.45	27.00	00.177	1499.8							
	OBS	00150	11.79	35.45	27.00		1499.8							
	OBS	00173	11.68	35.45	27.02		1499.8							
	OBS	00177	11.26	35.35	27.03		1498.2							
	OBS	00180	11.18	35.34	27.03		1498.0							
	OBS	00184	10.52	35.21	27.04		1495.6							
	OBS	00190	10.30	35.22	27.09		1494.9							
	OBS	00192	10.59	35.29	27.09		1496.0							
	OBS	00196	10.52	35.24	27.07		1495.8							
	OBS	00198	10.16	35.14	27.05		1494.4							
	STD	00200	10.11	35.13	27.06	00.231	1494.2							
	OBS	00201	10.00	35.13	27.07		1493.9							
	OBS	00205	09.56	35.01	27.05		1492.2							
	OBS	00207	09.35	35.04	27.11		1491.5							
	OBS	00209	09.36	35.01	27.09		1491.5							
	OBS	00211	08.99	34.95	27.10		1490.1							
	OBS	00215	08.93	34.97	27.13		1489.9							
	OBS	00217	10.29	35.30	27.15		1495.4							
	OBS	00224	10.65	35.38	27.15		1496.9							
	OBS	00226	10.56	35.37	27.16		1496.6							
	OBS	00237	10.40	35.36	27.18		1496.2							
	STD	00250	10.17	35.34	27.21	00.281	1495.6							
	OBS	00251	10.15	35.34	27.21		1495.5							
	OBS	00276	09.70	35.26	27.23		1494.2							
	STD	00300	09.14	35.20	27.27	00.326	1492.4							
	OBS	00300	09.13	35.20	27.27		1492.4							
	OBS	00308	09.04	35.19	27.28		1492.2							
	OBS	00350	08.11	35.13	27.38		1489.3							
	OBS	00356	07.89	35.07	27.37		1488.4							
	OBS	00363	07.21	34.94	27.36		1485.8							
	STD	00400	06.82	34.94	27.44	00.405	1484.1							
	OBS	00401	06.60	34.94	27.45		1484.0							
	OBS	00451	06.08	34.95	27.52		1482.8							
	STD	00500	05.92	34.99	27.58	00.476	1483.0							
	OBS	00500	05.91	34.99	27.58		1482.9							
	OBS	00508	05.84	34.96	27.56		1482.7							
	OBS	00517	05.29	34.88	27.57		1480.6							
	OBS	00527	03.83	34.68	27.57		1474.4							
	OBS	00546	03.99	34.77	27.63		1475.5							
	OBS	00555	04.54	34.85	27.63		1478.1							
	STD	00600	05.09	34.98	27.67	00.525	1481.3							
	OBS	00601	05.10	34.98	27.67		1481.3							
	OBS	00651	04.85	34.94	27.67		1481.1							
	STD	00700	04.63	34.96	27.71	00.574	1481.0							
	OBS	00700	04.63	34.96	27.71		1481.0							
	OBS	00750	04.60	34.97	27.72		1481.7							
	STD	00800	04.49	34.97	27.73	00.620	1482.1							
	OBS	00801	04.49	34.57	27.73		1482.1							
	OBS	00850	04.34	34.96	27.74		1482.3							
	STD	00900	04.31	34.97	27.75	00.666	1483.0							
	OBS	00900	04.31	34.97	27.75		1483.0							
	OBS	00951	04.17	34.96	27.76		1483.3							
	STD	01000	04.12	34.96	27.76	00.711	1483.9							
	OBS	01001	04.12	34.96	27.76		1483.9							
	OBS	01045	04.07	34.95	27.76		1484.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FSFIO 31 8454	YEAR 1975	BOTOP 03658	AIR TEMP 07.7	DIP MGT PER	WIND-DIR 35	INST STC RECORDER	TEN SO 1306
CONSEC 0082	MONTH 04	SHIP EV	WET BULB 04.2	29 2 3	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 42 34.7N	DAY 24	DATA USE 1	BARCMETR 1036.1	SEA	WIND-FOR	DURATION	2 SQUARE 26
LONG 047 41.9W	HOUR 14.5	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	ORIG 011 771 17	1 SQUARE 27

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYO	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.53	35.29	26.92	00.000	1496.2							
14.5	OBS	00001	11.53	35.29	26.92		1496.2							
	STD	00010	11.52	35.31	26.94	00.011	1496.4							
	OBS	00011	11.51	35.31	26.94		1496.4							
	STD	00020	11.45	35.29	26.94	00.023	1496.2							
	OBS	00020	11.44	35.29	26.94		1496.2							
	STD	00030	11.40	35.29	26.95	00.034	1496.3							
	OBS	00030	11.40	35.29	26.95		1496.3							
	STD	00050	11.24	35.26	26.95	00.056	1496.0							
	OBS	00051	11.20	35.25	26.95		1495.8							
	STD	00075	09.95	35.05	27.02	00.084	1491.5							
	OBS	00076	09.89	35.04	27.02		1491.3							
	OBS	00079	10.02	35.14	27.08		1492.0							
	OBS	00081	10.50	35.24	27.07		1493.8							
	STD	00100	10.52	35.26	27.08	00.110	1494.2							
	OBS	00100	10.52	35.26	27.08		1494.3							
	STD	00125	10.57	35.28	27.09	00.135	1494.8							
	OBS	00127	10.57	35.28	27.09		1494.9							
	STD	00150	10.49	35.26	27.09	00.161	1495.0							
	OBS	00150	10.49	35.26	27.09		1495.0							
	OBS	00156	10.51	35.27	27.09		1495.1							
	OBS	00159	10.74	35.34	27.11		1496.1							
	OBS	00175	10.72	35.32	27.09		1496.3							
	STD	00200	10.40	35.25	27.09	00.212	1495.4							
	OBS	00203	10.38	35.24	27.09		1495.4							
	OBS	00215	10.34	35.23	27.09		1495.4							
	OBS	00220	09.93	35.14	27.09		1493.5							
	OBS	00224	09.84	35.10	27.08		1493.6							
	OBS	00226	09.60	35.06	27.09		1492.7							
	STD	00230	09.31	35.04	27.12	00.262	1492.0							
	OBS	00251	09.23	35.04	27.11		1491.7							
	OBS	00255	08.96	34.96	27.11		1490.7							
	OBS	00268	09.06	35.03	27.15		1491.4							
	OBS	00272	08.48	34.94	27.17		1489.1							
	OBS	00276	08.36	34.92	27.18		1488.7							
	OBS	00281	08.10	34.84	27.15 *		1487.7							
	OBS	00287	07.32	34.74	27.15		1484.7							
	OBS	00291	06.91	34.67	27.19		1483.0							
	STD	00300	07.08	34.73	27.22	00.310	1483.9							
	OBS	00300	07.09	34.74	27.22		1484.0							
	OBS	00316	07.33	34.87	27.29		1485.4							
	OBS	00319	07.96	34.97	27.28		1488.0							
	OBS	00323	07.95	34.96	27.27		1488.0							
	OBS	00329	08.63	35.10	27.28		1490.9							
	OBS	00350	08.05	35.06	27.33		1488.9							
	OBS	00356	07.96	35.04	27.33		1488.7							
	OBS	00359	07.66	34.99	27.34		1487.5							
	OBS	00365	07.48	34.98	27.36		1487.0							
	OBS	00371	07.87	35.06	27.38		1488.6							
	OBS	00380	07.97	35.08	27.36		1489.2							
	OBS	00384	07.67	35.03	27.37		1488.0							
	STD	00400	06.59	34.88	27.40	00.393	1483.8							
	OBS	00401	06.57	34.86	27.39		1483.8							
	OBS	00407	06.63	34.92	27.42		1484.3							
	OBS	00435	05.98	34.87	27.47		1482.0							
	OBS	00441	05.41	34.81	27.50		1479.7							
	OBS	00451	05.10	34.78	27.51		1478.6							
	OBS	00468	05.06	34.81	27.54		1478.7							
	OBS	00474	05.51	34.90	27.56		1480.8							
	STD	00500	05.51	34.92	27.57	00.460	1481.2							
	OBS	00500	05.51	34.92	27.57		1481.2							
	OBS	00508	05.50	34.92	27.57		1481.3							
	OBS	00552	04.81	34.85	27.60		1479.1							
	STD	00600	04.97	34.94	27.65	00.516	1480.7							
	OBS	00601	04.97	34.94	27.65		1480.7							
	OBS	00651	04.85	34.97	27.69		1481.1							
	STD	00700	04.70	34.96	27.70	00.566	1481.3							
	OBS	00700	04.70	34.96	27.70		1481.3							
	OBS	00750	04.51	34.95	27.71		1481.3							
	STD	00800	04.34	34.95	27.73	00.613	1481.4							
	OBS	00801	04.34	34.95	27.73		1481.5							
	OBS	00850	04.18	34.94	27.74		1481.6							
	STD	00900	04.06	34.92	27.74	00.659	1481.9							
	OBS	00902	04.06	34.92	27.74		1481.9							
	OBS	00951	03.99	34.92	27.75		1482.5							
	STD	01000	03.88	34.91	27.75	00.704	1482.6							
	OBS	01001	03.88	34.91	27.75		1482.6							
	OBS	01018	03.85	34.91	27.75		1483.0							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FSFIO 31 8454	YEAR 1975	BOTOP 03376	AIR TEMP 07.5	DIR HGT PER	WIND-DIR 33	1AST STO RECORDER	TEN SQ 1306
CONSEC 0083	MONTH 04	SHIP EV	WET BULB 05.0	00 0 X	WIND-SPO 05	TRACE DIR 0	5 SQUARE 2
LAT 42 48.1N	DAY 24	DATA USE 1	BARDMETR 1036.0	SEA	WIND-FOR	DURATION	2 SQUARE 28
LONG 048 04 W	HOUR 17.8	AREA 0S	CLOUD T/A	CL/TR	WEATHER A4	OR LG 011 772	1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYO	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	13.86	35.68	26.76	00.000	1504.6							
17.8	OBS	00005	13.86	35.68	26.76		1504.7							
	STO	00010	13.74	35.70	26.80	00.013	1504.3							
	OBS	00011	13.71	35.70	26.81		1504.3							
	STO	00020	13.65	35.70	26.81	00.025	1504.4							
	OBS	00020	13.65	35.70	26.81		1504.4							
	STO	00030	13.24	35.55	26.79	00.038	1502.8							
	OBS	00030	13.19	35.54	26.79		1502.7							
	OBS	00034	12.76	35.50	26.85		1501.3							
	OBS	00045	13.01	35.62	26.89		1502.5							
	STO	00050	13.06	35.66	26.91	00.063	1502.8							
	OBS	00051	13.26	35.74	26.93		1503.5							
	OBS	00053	13.47	35.76	26.90 #		1504.3							
	STO	00075	13.15	35.66	26.89	00.092	1503.4							
	OBS	00076	13.13	35.66	26.90		1503.4							
	STO	00100	12.71	35.60	26.93	00.121	1502.3							
	OBS	00100	12.68	35.59	26.93		1502.2							
	OBS	00110	12.32	35.46	26.90 •		1501.0							
	OBS	00116	11.46	35.26	26.91		1497.8							
	OBS	00118	11.24	35.19	26.90		1497.0							
	STO	00125	10.98	35.20	26.95	00.150	1496.2							
	OBS	00125	10.96	35.20	26.96		1496.1							
	OBS	00137	10.70	35.22	27.02		1495.4							
	OBS	00140	11.22	35.33	27.01		1497.5							
	OBS	00142	10.74	35.20	27.00		1495.6							
	STO	00150	10.45	35.13	26.99	00.178	1494.6							
	OBS	00150	10.44	35.13	27.00		1494.6							
	OBS	00156	10.36	35.17	27.04		1494.5							
	OBS	00158	09.93	35.02	27.00 •		1492.7							
	OBS	00175	09.87	35.07	27.05		1492.5							
	STO	00200	09.29	34.98	27.08	00.232	1491.0							
	OBS	00201	09.25	34.98	27.08		1490.9							
	OBS	00224	08.82	34.94	27.12		1489.6							
	OBS	00230	08.45	34.83	27.09 •		1488.2							
	OBS	00241	08.03	34.78	27.12		1486.7							
	OBS	00247	08.23	34.85	27.14		1487.7							
	STO	00250	07.71	34.72	27.11 •	00.283	1485.6							
	OBS	00251	07.49	34.66	27.10		1484.6							
	OBS	00268	07.26	34.69	27.16		1484.1							
	OBS	00272	07.60	34.78	27.16		1485.6							
	OBS	00276	07.64	34.77	27.17		1485.8							
	OBS	00279	07.62	34.78	27.18		1485.8							
	OBS	00287	07.58	34.84	27.17		1487.4							
	OBS	00293	07.57	34.79	27.19		1485.8							
	STO	00300	07.53	34.80	27.20	00.331	1485.6							
	OBS	00300	07.53	34.80	27.21		1485.8							
	OBS	00312	07.98	34.89	27.21		1487.8							
	OBS	00317	08.11	34.95	27.24		1488.5							
	OBS	00327	07.46	34.79 P	27.210#										
	OBS	00340	07.59	34.92	27.29		1486.8							
	OBS	00346	07.95	34.99	27.29		1486.6							
	OBS	00354	07.96	34.96	27.27		1488.5							
	OBS	00367	08.21	35.07	27.32		1489.8							
	OBS	00375	08.12	35.06	27.32		1489.6							
	OBS	00380	07.65	34.98	27.32		1488.0							
	OBS	00395	07.08	34.93	27.37		1485.8							
	STO	00400	07.04	34.94	27.38	00.415	1485.7							
	OBS	00401	07.03	34.94	27.39		1485.7							
	OBS	00443	06.60	34.93	27.44		1484.7							
	OBS	00449	06.26	34.85	27.42		1483.3							
	OBS	00451	06.12	34.87	27.46		1482.8							
	OBS	00454	06.01	34.86	27.46		1482.4							
	OBS	00460	06.49	34.99	27.50		1484.6							
	OBS	00468	06.28	34.94	27.49		1483.8							
	OBS	00474	05.96	34.87	27.48		1482.5							
	OBS	00479	05.06	34.74	27.48		1478.8							
	OBS	00481	04.88	34.71	27.48		1478.1							
	OBS	00489	03.95	34.64	27.53		1474.2							
	STO	00500	03.91	34.64	27.53	00.484	1474.2							
	OBS	00500	03.91	34.64	27.53		1474.2							
	OBS	00519	05.33	34.92	27.59		1480.8							
	OBS	00527	05.02	34.86	27.58		1479.6							
	OBS	00550	05.10	34.94	27.66		1480.4							
	OBS	00561	05.42 P	34.96	27.610#										
	STO	00600	04.92	34.92	27.64	00.541	1480.5							
	OBS	00601	04.92	34.92	27.64		1480.5							
	OBS	00651	04.83	34.94	27.67		1481.0							
	STO	00700	04.70	34.96	27.70	00.592	1481.3							
	OBS	00700	04.70	34.96	27.70		1481.3							
	OBS	00751	04.61	34.97	27.72		1481.8							
	STO	00800	04.54	34.97	27.73	00.639	1482.3							
	OBS	00801	04.54	34.97	27.73		1482.3							
	OBS	00850	04.40	34.96	27.73		1482.5							
	STO	00900	04.22	34.95	27.74	00.685	1482.6							
	OBS	00900	04.22	34.95	27.74		1482.6							
	OBS	00951	04.25	34.96	27.75		1483.6							
	STO	01000	04.21	34.96	27.75	00.731	1484.2							
	OBS	01010	04.20	34.96	27.75		1484.4							
	OBS	01020	04.22	34.97	27.76		1484.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.— Continued

NODC STATION DATA

REFID 31 8454	YEAR 1975	BOTDP 02688	AIR TEMP 05.1	DIR HGT PER	WIND-DIR 00	INST STO RECORDER	TEN SQ 1306
CONSEC 0084	MONTH 04	SHIP EV	WET BULB 03.0	3G 0 3	WIND-SPD 00	TRACE DIR 0	5 SQUARE 2
LAT 43 03.8N	DAY 24	DATA USE 1	BARCMETR 1036.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 048 24.8W	HOUR 20.8	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	ORIG 011 773 25	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	05.83	33.38	26.32	00.000	1472.2							
20.8	OBS	00001	05.83	33.38	26.32		1472.3							
	STO	00010	05.68	33.38	26.34	00.017	1471.8							
	OBS	00011	05.63	33.38	26.34		1471.6							
	OBS	00019	05.29	33.35	26.36		1470.3							
	STO	00020	05.12	33.37	26.39	00.034	1469.7							
	OBS	00020	04.55	33.37	26.41		1469.0							
	OBS	00024	03.97	33.24	26.41		1464.8							
	OBS	00026	03.77	33.31	26.49		1464.0							
	STO	00030	05.74	33.74	26.61	00.049	1472.9							
	OBS	00030	06.03	35.80	26.62		1474.1							
	OBS	00032	07.11	34.04	26.67		1478.8							
	OBS	00038	07.42	34.08	26.66		1480.1							
	OBS	00040	07.17	34.10	26.71		1479.2							
	OBS	00043	06.64	34.10	26.78		1477.2							
	OBS	00049	07.16	34.17	26.76		1479.4							
	STO	00050	07.31	34.22	26.78	00.077	1480.1							
	OBS	00051	07.69	34.34	26.82		1481.7							
	OBS	00064	07.38	34.41	26.92		1480.8							
	OBS	00066	07.58	34.48	26.95		1481.7							
	OBS	00068	08.06	34.57	26.95		1483.7							
	OBS	00072	08.31	34.65	26.97		1484.8							
	STO	00075	09.55	34.98	27.03	00.106	1489.9							
	OBS	00078	10.19	35.11	27.02		1492.5							
	OBS	00079	10.20	35.06	26.98 *		1492.5							
	OBS	00081	09.85	35.02	27.01		1491.2							
	OBS	00083	09.84	35.05	27.04		1491.2							
	OBS	00087	10.18	35.11	27.03		1492.6							
	OBS	00089	10.03	35.05	27.01		1492.0							
	OBS	00093	09.56	34.99	27.04		1490.3							
	OBS	00097	09.36	34.94	27.03		1489.6							
	STO	00100	08.78	34.75	26.98 *	00.133	1487.2							
	OBS	00100	08.55	34.72	26.99		1486.3							
	OBS	00102	07.98	34.70	27.06		1484.1							
	STO	00125	08.35	34.86	27.14	00.158	1486.1							
	OBS	00125	08.36	34.88	27.14		1486.2							
	OBS	00133	08.22	34.80	27.10 *		1485.7							
	OBS	00135	07.82	34.74	27.12		1484.1							
	STO	00150	06.75	34.82	27.18	00.182	1480.0							
	OBS	00150	06.73	34.82	27.18		1480.0							
	OBS	00156	06.42	34.58	27.19		1478.8							
	OBS	00165	06.34	34.57	27.19		1478.6							
	OBS	00169	06.05	34.50	27.17		1477.4							
	OBS	00175	06.47	34.64	27.23		1479.4							
	OBS	00178	06.47	34.67	27.25		1479.5							
	OBS	00184	05.53	34.24	27.25		1466.9							
	STO	00200	02.45	34.15	27.31	00.225	1462.4							
	OBS	00201	02.39	34.18	27.31		1462.2							
	OBS	00215	02.41	34.26	27.37		1462.6							
	OBS	00218	03.40	34.38	27.38		1467.1							
	OBS	00228	03.75	34.43	27.38		1468.8							
	OBS	00247	03.88	34.46	27.39		1469.7							
	STO	00250	03.62	34.43	27.39	00.262	1468.6							
	OBS	00257	02.83	34.36	27.41		1465.2							
	OBS	00262	02.10	34.32	27.44		1462.1							
	OBS	00270	01.91	34.32	27.46		1461.4							
	OBS	00276	02.01	34.34	27.46		1461.9							
	OBS	00281	02.39	34.44	27.51		1464.0							
	STO	00300	03.10	34.55	27.54	00.293	1467.4							
	OBS	00300	03.16	34.56	27.54		1467.6							
	OBS	00350	04.15	34.76	27.60		1472.9							
	OBS	00371	04.18	34.76	27.60		1473.4							
	OBS	00376	03.86	34.72	27.60		1472.1							
	STO	00400	04.21	34.80	27.63	00.349	1474.1							
	OBS	00401	04.24	34.81	27.63		1474.2							
	OBS	00451	05.11	34.97	27.66		1478.9							
	STO	00500	04.95	34.97	27.68	00.395	1479.0							
	OBS	00500	04.95	34.97	27.68		1479.0							
	OBS	00550	04.95	34.98	27.66		1480.0							
	STO	00600	04.82	34.98	27.70	00.447	1480.1							
	OBS	00603	04.81	34.96	27.70		1480.2							
	OBS	00652	04.67	34.98	27.72		1480.4							
	STO	00700	04.60	34.98	27.73	00.493	1480.9							
	OBS	00700	04.60	34.98	27.73		1480.9							
	OBS	00750	04.70	35.02	27.75		1482.2							
	STO	00800	04.65	35.01	27.75	00.538	1482.8							
	OBS	00803	04.64	35.01	27.75		1482.8							
	OBS	00850	04.33	34.98	27.76		1482.3							
	STO	00900	04.29	34.96	27.76	00.583	1482.9							
	OBS	00900	04.29	34.98	27.76		1482.9							
	OBS	00955	04.24	34.97	27.76		1483.6							
	STO	01000	04.08	34.96	27.77	00.627	1483.7							
	OBS	01001	04.08	34.96	27.77		1483.7							
	OBS	01018	04.04	34.95	27.76		1483.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N C D C   S T A T I C A   D A T A

REFID 31 8454	YEAR 1975	BCTOP 02067	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 28	INST STO RECORDER	TEN SG 1306
CONSEC 0085	MONTH 04	SHIP EV	WET BULB 01.9	31 1 2	WIND-SPD 02	TRACE DIR D	S SQUARE 2
LAT 43 15.2N	DAY 24	DATA USE 1	BAROMETR 1031.2	SEA	WIND-FOR	DURATICA 00.9	2 SQUARE 28
LONG 048 46 W	HOUR 23.4	AREA 05	CLOUD T/A	CL/TR	WEATHER XO	DRIG 011 774	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	04.00	33.33	26.48	00.000	1464.6							
23.4	OBS	00001	04.00	33.33	26.48		1464.6							
	OBS	00005	03.95	33.29	26.45 *		1464.4							
	OBS	00007	03.59	33.25	26.46		1462.9							
	STO	00010	03.44	33.30	26.51	00.015	1462.4							
	OBS	00011	03.39	33.33	26.54		1462.2							
	STO	00020	03.48	33.45	26.63	00.030	1462.9							
	OBS	00020	03.62	33.51	26.66		1463.6							
	OBS	00024	04.47	33.84	26.84		1467.7							
	OBS	00028	04.60	33.83	26.82		1468.3							
	STO	00030	04.47	33.79	26.80	00.044	1467.7							
	OBS	00030	04.41	33.79	26.80		1467.5							
	OBS	00032	04.10	33.82	26.86		1466.2							
	OBS	00036	03.91	33.80	26.86		1465.5							
	OBS	00041	03.04	33.80	26.95		1461.8							
	OBS	00043	03.23	33.87	26.99		1462.8							
	OBS	00045	03.13	33.92	27.03		1462.5							
	STO	00050	03.23	33.94	27.04	00.066	1463.0							
	OBS	00051	03.41	33.98	27.06		1463.8							
	OBS	00055	03.20	33.90	27.01 *		1462.9							
	OBS	00068	03.40	33.96	27.04		1464.0							
	OBS	00072	02.61	33.85	27.02		1460.5							
	OBS	00074	02.41	33.83	27.02		1459.7							
	STO	00075	02.23	33.85	27.05	00.092	1458.9							
	OBS	00076	02.02	33.86	27.08		1458.0							
	OBS	00078	01.80	33.86	27.10		1457.1							
	OBS	00087	01.86	33.92	27.14		1457.6							
	OBS	00089	01.59	33.89	27.14		1456.4							
	OBS	00091	01.59	33.96	27.19		1456.5							
	OBS	00097	02.11	33.99	27.18		1459.0							
	OBS	00099	01.64	33.93	27.18		1456.8							
	STO	00100	01.60	33.93	27.17	00.116	1456.7							
	OBS	00102	01.51	33.94	27.18		1456.3							
	OBS	00106	01.42	33.96	27.20		1456.0							
	OBS	00114	01.50	34.00	27.23		1456.6							
	OBS	00116	01.84	34.12	27.30		1458.3							
	OBS	00118	02.43	34.20	27.32		1461.0							
	OBS	00123	02.69	34.20	27.30		1462.2							
	STO	00125	02.85	34.23	27.30	00.137	1463.0							
	OBS	00125	02.92	34.24	27.31		1463.3							
	OBS	00135	03.14	34.25	27.30		1464.4							
	STO	00150	02.79	34.26	27.33	00.157	1463.2							
	OBS	00150	02.79	34.26	27.34		1463.2							
	OBS	00156	02.84	34.34	27.39		1463.6							
	OBS	00175	04.00	34.52	27.43		1469.1							
	OBS	00180	04.35	34.61	27.46		1470.8							
	OBS	00182	04.71	34.66	27.46		1472.4							
	OBS	00188	05.01	34.67	27.43 *		1473.7							
	STO	00200	04.77	34.67	27.46	00.192	1472.9							
	OBS	00201	04.74	34.67	27.47		1472.8							
	OBS	00209	04.66	34.68	27.48		1472.6							
	OBS	00226	04.83	34.72	27.49		1473.7							
	STO	00250	04.63	34.75	27.54	00.223	1473.3							
	OBS	00251	04.63	34.75	27.54		1473.3							
	OBS	00276	04.67	34.77	27.55		1473.9							
	STO	00300	04.33	34.77	27.59	00.251	1472.9							
	OBS	00300	04.32	34.77	27.59		1472.8							
	OBS	00350	04.63	34.86	27.63		1475.1							
	STO	00400	04.36	34.88	27.67	00.301	1474.8							
	OBS	00401	04.35	34.88	27.67		1474.8							
	OBS	00451	04.13	34.86	27.68		1474.6							
	STO	00500	04.37	34.91	27.70	00.348	1476.5							
	OBS	00500	04.37	34.91	27.70		1476.5							
	OBS	00550	04.29	34.93	27.72		1477.0							
	STO	00600	04.22	34.93	27.73	00.393	1477.6							
	OBS	00601	04.22	34.93	27.73		1477.6							
	OBS	00651	04.22	34.93	27.73		1478.4							
	STO	00700	04.11	34.92	27.73	00.437	1478.8							
	OBS	00700	04.11	34.92	27.73		1478.8							
	OBS	00750	03.98	34.91	27.74		1479.0							
	OBS	00761	04.06	34.93	27.75		1479.6							
	OBS	00763	04.06	34.93	27.74		1479.7							
	OBS	00765	04.06	34.93	27.75		1479.7							
	STO	00800	04.09	34.94	27.75	00.481	1480.4							
	OBS	00801	04.09	34.94	27.75		1480.4							
	OBS	00850	04.01	34.92	27.74		1480.9							
	STO	00900	03.93	34.93	27.76	00.524	1481.4							
	OBS	00900	03.93	34.93	27.76		1481.4							
	OBS	00951	03.90	34.93	27.76		1482.1							
	STO	01000	03.88	34.93	27.76	00.568	1482.8							
	OBS	01001	03.88	34.93	27.76		1482.8							
	OBS	01020	03.87	34.93	27.77		1483.1							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FSFID 31 8454	YEAR 1975	BOTOP 01833	AIR TEMP 00.9	DIR FCT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1306
CONSEC 0086	MONTH 04	SHIP EV	WET BULB 00.5	00 0 X	WIND-SPD 00	TRACE 01P D	5 SQUARE 2
LAT 43 21.7N	DAY 25	DATA USE 1	BARCMETR 1038.3	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 28
LCNG 049 03 W	HOUR 02.3	AREA 05	CLCUD T/A	CL/TR	WEATHER X0	ORIG 011 775	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	00.43	32.83	26.36	00.000	1448.2						
02.3	OBS	00001	00.43	32.83	26.36		1448.3						
	OBS	00003	00.17	32.87	26.40		1447.2						
	STD	00010	00.02	32.88	26.42	00.016	1446.6						
	OBS	00011	- 0.01	32.88	26.42		1446.5						
	STD	00020	- 0.18	32.90	26.44	00.033	1445.9						
	OBS	00020	- 0.20	32.90	26.44		1445.8						
	STD	00030	- 0.49	32.91	26.46	00.048	1444.6						
	OBS	00030	- 0.50	32.91	26.46		1444.6						
	STD	00050	- 0.66	32.98	26.53	00.079	1444.2						
	OBS	00051	- 0.71	32.99	26.54		1444.1						
	OBS	00053	- 0.78	32.96	26.52		1443.7						
	OBS	00055	- 1.06	33.16	26.70		1442.8						
	STD	00075	- 1.04	33.22	26.73	00.115	1443.2						
	OBS	00084	- 1.03	33.24	26.75		1443.5						
	OBS	00087	- 1.24	33.36	26.85		1442.7						
	STD	00100	- 0.79	33.45	26.91	00.145	1445.1						
	OBS	00100	- 0.76	33.46	26.92		1445.3						
	STD	00125	00.19	33.67	27.05	00.172	1450.4						
	OBS	00125	00.20	33.68	27.05		1450.4						
	OBS	00133	00.26	33.76	27.11		1451.0						
	OBS	00144	00.26	33.88	27.21		1451.3						
	OBS	00148	00.57	33.92	27.23		1452.8						
	OBS	00150	00.65	33.98	27.27	00.195	1453.3						
	OBS	00150	00.67	33.99	27.28		1453.4						
	OBS	00175	01.21	34.12	27.35		1456.4						
	STD	00200	01.26	34.21	27.42	00.233	1457.2						
	OBS	00201	01.26	34.22	27.42		1457.2						
	OBS	00209	01.64	34.25	27.42		1459.1						
	OBS	00217	02.21	34.33	27.44		1461.8						
	OBS	00228	01.57	34.31	27.47		1459.2						
	STD	00250	01.67	34.37	27.51	00.264	1460.1						
	OBS	00251	01.68	34.37	27.51		1460.1						
	OBS	00268	01.80	34.40	27.53		1461.0						
	OBS	00270	01.50	34.41	27.56		1459.7						
	OBS	00272	01.82	34.42	27.54		1461.2						
	OBS	00276	01.82	34.41	27.53		1461.2						
	STD	00300	01.87	34.44	27.55	00.293	1461.9						
	OBS	00300	01.87	34.44	27.56		1461.9						
	OBS	00323	01.87	34.48	27.59		1462.3						
	OBS	00329	02.32	34.55	27.61		1464.5						
	OBS	00350	02.61	34.61	27.63		1466.2						
	OBS	00352	02.70	34.62	27.63		1466.6						
	OBS	00357	02.90	34.63	27.62		1467.6						
	OBS	00359	03.13	34.68	27.64		1466.7						
	OBS	00367	03.55	34.77	27.63		1472.4						
	STD	00400	04.07	34.86	27.69	00.343	1473.5						
	OBS	00401	04.08	34.86	27.69		1473.6						
	OBS	00453	04.69	34.95	27.69		1477.1						
	STD	00500	04.66	34.94	27.69	00.390	1477.8						
	OBS	00500	04.65	34.94	27.69		1477.7						
	OBS	00506	04.50	34.91	27.68		1477.2						
	OBS	00550	04.36	34.94	27.72		1477.4						
	STD	00600	04.27	34.92	27.72	00.436	1477.8						
	OBS	00601	04.27	34.92	27.72		1477.8						
	OBS	00651	04.04	34.89	27.72		1477.6						
	STD	00700	03.95	34.91	27.74	00.480	1478.1						
	OBS	00700	03.95	34.91	27.74		1478.1						
	OBS	00751	04.13	34.94	27.75		1479.7						
	STD	00800	04.06	34.93	27.75	00.523	1480.2						
	OBS	00801	04.06	34.93	27.75		1480.3						
	OBS	00835	03.95	34.92	27.75		1480.4						
	OBS	00837	03.95	34.92	27.75		1480.4						
	OBS	00839	03.93	34.92	27.75		1480.3						
	OBS	00852	03.94	34.92	27.75		1480.6						
	STD	00900	03.57	34.88	27.76	00.567	1479.8						
	OBS	00900	03.57	34.88	27.76		1479.8						
	OBS	00951	03.59	34.86	27.75		1480.7						
	STD	01000	03.56	34.87	27.75	00.610	1481.4						
	OBS	01003	03.56	34.87	27.75		1481.4						
	OBS	01018	03.57	34.88	27.76		1481.7						

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NODC STATION DATA

REFID 31 8454   YEAR 1975   BCTDP 00366   AIR TEMP 00.3   DIR HGT PER   WIND-DIR 00   INST STO RECORDER   TEN SU 1306
CONSEC   038T   MONTH 04   SHIP EV   WET BULB 00.1   00 C X   WIND-SPD 00   TRACE DIR   D   5 SQUARE 2
LAT   43 33 N   DAY   25   DATA USE 1   BARCMETR 1035.7   SEA   WIND-FOR   DURATION   0C.1   2 SQUARE 28
LONG 049 18.2*   HOUR 05.2   AREA   05   CLOUD T/A   CL/TR   WEATHER XO   ORIG 011 776   1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	00.28	32.92	26.44	00.000	1447.7							
05.2	OBS	00001	00.28	32.92	26.44		1447.7							
	STO	00010	00.19	32.91	26.43	00.016	1447.4							
	OBS	00011	00.16	32.91	26.44		1447.3							
	STO	00020	- 0.10	32.91	26.45	00.032	1446.3							
	OBS	00020	- 0.12	32.91	26.45		1446.2							
	STO	00030	- 0.20	32.91	26.45	00.048	1446.0							
	OBS	C0030	- 0.26	32.92	26.46		1445.7							
	OBS	00032	- 0.53	32.95	26.50		1444.5							
	OBS	00040	- 0.71	33.00	26.54		1443.9							
	STO	00050	- 1.10	33.12	26.65	00.078	1442.4							
	OBS	00051	- 1.14	33.13	26.66		1442.2							
	STO	00075	- 1.21	33.19	26.71	00.112	1442.4							
	OBS	00076	- 1.21	33.19	26.72		1442.4							
	STO	00100	- 1.30	33.23	26.75	C0.145	1442.5							
	OBS	00100	- 1.30	33.23	26.75		1442.5							
	OBS	00106	- 1.33	33.25	26.77		1442.4							
	STO	00125	- 1.32	33.29	26.80	00.177	1442.8							
	OBS	00125	- 1.32	33.29	26.80		1442.9							
	STO	00150	- 1.26	33.36	26.85	00.207	1443.6							
	OBS	00150	- 1.26	33.36	26.85		1443.6							
	OBS	00175	- 1.15	33.41	26.89		1444.6							
	STO	C0200	- 1.01	33.47	26.94	00.265	1445.8							
	OBS	00201	- 0.98	33.48	26.94		1446.0							
	OBS	00215	- 0.71	33.52	26.96		1447.5							
	OBS	00226	- 0.06	33.68	27.07		1450.9							
	STO	00250	00.43	33.81	27.14	00.31c	1453.7							
	OBS	C0251	00.45	33.81	27.14		1453.8							
	OBS	00277	00.48	33.84	27.17		1454.5							
	OBS	00279	00.60	34.03	27.31		1455.3							
	OBS	00283	00.98	34.12	27.36		1457.2							
	OBS	00287	01.41	34.20	27.40		1459.3							
	STO	00300	01.70	34.27	27.43	00.356	1460.9							
	OBS	00300	01.71	34.27	27.43		1460.9							
	OBS	00304	01.76	34.27	27.43		1461.2							
	OBS	00308	C1.78	34.30	27.45		1461.4							
	OBS	00310	01.88	34.31	27.45		1461.9							
	OBS	00342	02.21	34.41	27.50		1464.0							

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REFID 31 8454   YEAR 1975   BOTOP 00120   AIR TEMP 0C.9   DIR HGT PER   WIND-DIR 00   INST STC RECORDER   TEN SU 1306
CONSEC   068B   MONTH 04   SHIP EV   WET BULB 0C.5   00 0 X   WIND-SPD 00   TRACE DIR   D   5 SQUARE 2
LAT   43 33 N   DAY   25   DATA USE 1   BARCMETR 1036.5   SEA   WIND-FOR   DURATION   00.0   2 SQUARE 28
LONG 049 21 6   HOUR 06.0   AREA   05   CLOUD T/A   CL/TR   WEATHER XO   ORIG 011 777   1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.42	32.91	26.36	C0.000	1452.8							
06.C	OBS	00001	01.42	32.91	26.36		1452.9							
	OBS	00003	01.42	32.90	26.35		1452.9							
	STO	00010	00.95	32.89	26.37	00.017	1450.9							
	OBS	00011	00.85	32.88	26.37		1450.6							
	OBS	00013	00.83	32.87	26.37		1450.3							
	STO	00020	0C.42	32.94	26.44	00.033	1448.7							
	OBS	00020	00.36	32.94	26.45		1448.4							
	OBS	0CC24	00.10	32.95	26.47		1447.3							
	STO	00030	00.04	32.99	26.50	00.049	1447.2							
	OBS	00030	00.03	32.99	26.51		1447.1							
	STO	00050	- 0.32	33.04	26.56	0C.079	1445.9							
	OBS	00051	- 0.35	33.04	26.56		1445.8							
	OBS	00053	- 0.34	33.03	26.55		1445.9							
	OBS	00055	- 0.36	33.04	26.56		1445.6							
	OBS	00059	- 0.56	33.05	26.56		1445.0							
	STO	C0C75	- 0.92	33.14	26.67	00.115	1443.7							
	OBS	00076	- 0.94	33.15	26.67		1443.6							
	STO	00100	- 1.12	33.30	26.80	0C.147	1443.4							
	OBS	00100	- 1.12	33.31	26.81		1443.4							
	OBS	00108	- 1.15	33.38	26.87		1443.5							
	OBS	00112	- 1.10	33.42	26.90		1443.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

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REFIC  31  8454    YEAR 1975    BOTOP 00055   AIR TEMP   01.4    DIR HGT PER   WIND-DIR 14    INST STD RECORDER        TEN SQ 1306
CONSEC     0086    MONTH 04     SHIP EV       WET BULB   00.9    00  0  X      WIND-SPD 05    TRACE DIR        D       5 SQUARE  2
LAT    43 38  N    DAY    25    DATA USE  1   BAROMETR 1031.9    SEA           WIND-FOR       DURATION      00.0      2 SQUARE 28
LONG  049 50  W    HOUR 06.9    AREA      05  CLOUD T/A          CL/TR         WEATHER  X0    ORIG 011 778            1 SQUARE 39
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT_P	NO2	NO3	SIO3	PH
	STO	00000	01.75	32.84	26.28	00.000	1454.2							
06.9	OBS	00001	01.75	32.84	26.28		1454.2							
	OBS	00003	01.75	32.84	26.28		1454.3							
	STO	00010	01.75	32.84	26.28	00.017	1454.4							
	OBS	00011	01.75	32.84	26.28		1454.4							
	OBS	00013	01.69	32.81	26.26		1454.1							
	STO	00020	01.40	32.85	26.31	00.035	1453.0							
	OBS	00020	01.31	32.86	26.33		1452.6							
	OBS	00022	01.08	32.89	26.37		1451.6							
	STO	00030	00.64	32.96	26.45	00.051	1449.9							
	OBS	00030	00.60	32.97	26.46		1449.7							
	OBS	00034	00.29	33.01	26.51		1448.4							
	OBS	00040	00.16	33.02	26.52		1447.9							
	OBS	00049	- 0.01	33.06	26.56		1447.4							
	STO	C0050	- 0.00	33.06	26.56	00.082	1447.4							
	OBS	00051	00.01	33.06	26.56		1447.5							
	OBS	00055	00.01	33.06	26.56		1447.6							

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REFIC  51  8454    YEAR 1975    BOTOP 00060   AIR TEMP   01.1    DIR HGT PER   WIND-DIR 12    INST STD RECORDER        TEN SQ 1306
CONSEC     0090    MONTH 04     SHIP EV       WET BULB   00.9    00  0  X      WIND-SPD 05    TRACE DIR        C       5 SQUARE  2
LAT    43 43  N    DAY    25    DATA USE  1   BAROMETR 1030.8    SEA           WIND-FOR       DURATION      00.0      2 SQUARE 28
LONG  049 53  W    HOUR 07.9    AREA      05  CLOUD T/A          CL/TR         WEATHER  X0    ORIG 011 779            1 SQUARE 39
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT_P	NO2	NO3	SIO3	PH
	STO	00000	01.98	32.72	26.17	00.000	1455.1							
07.9	OBS	00001	01.98	32.72	26.17		1455.1							
	OBS	00003	01.96	32.71	26.17		1455.0							
	STO	00010	01.90	32.76	26.21	00.018	1454.9							
	OBS	00011	01.89	32.78	26.23		1454.9							
	OBS	00013	01.49	32.82	26.29		1453.2							
	STO	00020	00.96	32.93	26.41	00.036	1451.1							
	OBS	C0020	00.90	32.94	26.42		1450.9							
	STO	00030	00.52	32.97	26.46	00.052	1449.3							
	OBS	00030	00.51	32.97	26.47		1449.3							
	OBS	00038	00.46	32.97	26.47		1449.2							
	OBS	00049	00.46	32.97	26.47		1449.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIC 31 8463	YEAR 1975	BOTOP 00259	AIR TEMP 03.8	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1308
CONSEC 0001	MONTH 05	SHIP EV	WET BULB 02.7	33 5 4	WIND-SPD 23	TRACE DIR 0	5 SQUARE 2
LAT 43 49.0N	DAY 26	DATA USE 1	BAROMETR 1012.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 045 12.0W	HOUR 05.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 780	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.52	32.86	26.38	00.000	1448.7							
05.0	OBS	00003	00.52	32.86	26.38		1448.8							
	STD	00010	00.53	32.86	26.38	00.017	1448.9							
	OBS	00011	00.53	32.86	26.38		1448.9							
	OBS	00015	00.54	32.85	26.37		1449.0							
	STD	00020	00.53	32.86	26.37	00.033	1449.1							
	OBS	00020	00.53	32.86	26.38		1449.1							
	STD	00030	00.51	32.86	26.38	00.050	1449.2							
	OBS	00030	00.51	32.86	26.38		1449.2							
	STD	00050	00.23	32.87	26.40	00.083	1448.2							
	OBS	00051	00.13	32.88	26.41		1447.8							
	OBS	00064	- 1.35	33.08	26.63		1441.4							
	OBS	00068	- 0.66	33.17	26.68		1444.8							
	STD	00075	- 0.71	33.17	26.68	00.120	1444.7							
	OBS	00076	- 0.72	33.17	26.68		1444.7							
	STD	00100	- 1.05	33.17	26.69	00.154	1443.5							
	OBS	00100	- 1.06	33.17	26.69		1443.5							
	STD	00125	- 0.65	33.23	26.73	00.188	1445.9							
	OBS	00125	- 0.65	33.23	26.73		1445.9							
	STD	00150	- 0.68	33.28	26.77	00.220	1446.2							
	OBS	00150	- 0.68	33.28	26.77		1446.2							
	OBS	00175	- 1.06	33.29	26.75		1444.9							
	STD	00200	- 0.64	33.45	26.90	00.281	1447.5							
	OBS	00201	- 0.61	33.46	26.91		1447.7							
	OBS	00230	- 0.30	33.62	27.03		1449.8							
	OBS	00237	00.11	33.69	27.07		1451.9							
	OBS	00247	00.18	33.73	27.05		1452.4							

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REFID 31 8463	YEAR 1975	BOTOP	AIR TEMP 00.9	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1308
CONSEC 0002	MONTH 05	SHIP EV	WET BULB 00.4	25 3 4	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 43 47.5N	DAY 26	DATA USE 1	BAROMETR 1014.9	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 28
LONG 045 06.0W	HOUR 06.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 781	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.77	32.90	26.35	00.000	1449.9							
06.5	OBS	00001	00.77	32.90	26.35		1449.9							
	STD	00010	00.81	32.90	26.39	00.016	1450.2							
	OBS	00011	00.81	32.90	26.39		1450.3							
	STD	00020	00.81	32.90	26.39	00.033	1450.4							
	OBS	00020	00.81	32.90	26.39		1450.4							
	STD	00030	00.82	32.90	26.39	00.049	1450.6							
	OBS	00034	00.82	32.90	26.39		1450.7							
	STD	00050	00.76	32.90	26.40	00.082	1450.7							
	OBS	00051	00.74	32.90	26.40		1450.6							
	OBS	00055	00.68	32.87	26.38		1450.3							
	OBS	00068	00.41	32.90	26.41		1449.4							
	OBS	00072	00.18	32.90	26.43		1448.4							
	STD	00075	00.17	32.91	26.43	00.123	1448.4							
	OBS	00078	00.15	32.93	26.45		1448.4							
	OBS	00087	- 0.81	33.07	26.61		1444.3							
	OBS	00091	- 0.75	33.20	26.71		1444.8							
	OBS	00097	- 1.07	33.21	26.73		1443.4							
	STD	00100	- 1.13	33.25	26.76	00.159	1443.3							
	OBS	00102	- 1.17	33.25	26.75		1443.2							
	STD	00125	- 0.96	33.38	26.86	00.190	1444.7							
	OBS	00125	- 0.95	33.38	26.86		1444.7							
	OBS	00146	- 0.76	33.46	26.92		1446.1							
	STD	00150	- 0.63	33.48	26.93	00.219	1446.7							
	OBS	00154	- 0.49	33.52	26.96		1447.5							
	OBS	00169	- 0.06	33.75	27.12		1450.1							
	OBS	00175	00.20	33.74	27.10		1451.3							
	STD	00200	00.33	33.79	27.13	00.270	1452.4							
	OBS	00203	00.36	33.80	27.14		1452.6							
	OBS	00226	00.60	33.89	27.20		1454.2							
	STD	00250	00.76	33.95	27.24	00.315	1455.4							
	OBS	00255	00.79	33.96	27.24		1455.6							
	OBS	00274	00.89	34.00	27.27		1456.5							
	OBS	00279	01.29	34.21	27.41		1458.6							
	OBS	00287	01.61	34.23	27.41		1460.2							
	STD	00300	01.65	34.26	27.43	00.353	1460.7							
	OBS	00300	01.66	34.26	27.43		1460.7							
	OBS	00350	02.49	34.50	27.55		1465.5							
	STD	00400	02.77	34.60	27.61	00.412	1467.6							
	OBS	00401	02.77	34.60	27.61		1467.7							
	OBS	00453	02.79	34.60	27.61		1468.8							
	STD	00500	03.17	34.70	27.65	00.463	1471.2							
	OBS	00502	03.19	34.70	27.65		1471.3							
	OBS	00550	03.40	34.75	27.67		1473.1							
	STD	00600	03.50	34.79	27.69	00.511	1474.4							
	OBS	00605	03.51	34.79	27.69		1474.5							
	OBS	00651	03.51	34.80	27.70		1475.3							
	STD	00700	03.53	34.80	27.70	00.557	1476.2							
	OBS	00704	03.53	34.80	27.70		1476.2							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FSFIO 31 8463	YEAR 1575	BOTOP 01507	AIR TEMP 01.0	DIR HGT PER	WIND-DIR 33	INST STC RECORDER	TEN SO 1306
CONSEC 0003	MONTH 05	SHIP EV	WET BULB 00.1	34 5 5	WIND-SPD 20	TRAC2 CIR C	5 SQUARE 2
L6° 43 49.2M	O6Y 26	O6TA USE 1	BARCHETA 1016.1	SE6	WIND-FOR	DURATICA	2 SQUARE 28
LONG 046 53.3w	HOUR 06.5	6ALA 05	CLCUO 7/6	CL/7R	WEATHER X2	ORIG 011 782 10	1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.23	33.06	26.50	00.000	1452.2							
	08S	00003	01.23	33.04	26.50		1452.2							
	STO	00010	01.22	33.07	26.50	00.015	1452.3							
	08S	00011	01.22	33.07	26.50		1452.3							
	STO	00020	01.23	33.07	26.50	00.031	1452.5							
	08S	00020	01.23	33.07	26.50		1452.5							
	STO	00030	01.25	33.08	26.51	00.046	1452.8							
	08S	00030	01.25	33.06	26.51		1452.8							
	08S	00034	01.25	33.08	26.51		1452.5							
	08S	00036	01.16	33.12	26.55		1452.5							
	08S	00038	00.99	35.17	26.60		1451.5							
	08S	00040	00.51	33.22	26.64		1451.6							
	08S	00041	00.92	33.30	26.71		1451.8							
	08S	C0045	00.12	33.27	26.73		1448.2							
	08S	00049	- 0.16	33.37	26.82		1447.1							
	STO	00050	00.07	33.36	26.82	00.074	1448.2							
	08S	00051	00.63	35.40	26.80		1450.8							
	08S	00055	01.39	33.49	26.83		1454.4							
	08S	00057	01.31	33.42	26.78 *		1454.0							
	08S	00059	00.64	33.52	26.74 *		1450.9							
	08S	00060	- 0.50	33.41	26.87		1445.8							
	08S	00062	00.02	33.44	26.87		1448.3							
	08S	00066	00.80	33.56	26.92		1452.0							
	08S	00068	01.05	33.35	26.90		1453.2							
	08S	00070	01.10	33.52	26.87 *		1453.4							
	08S	00074	00.79	33.47	26.65		1452.0							
	STO	C0075	00.75	33.49	26.87	00.104	1451.9							
	08S	00076	00.70	33.51	26.69		1451.7							
	08S	00078	00.61	33.51	26.69		1451.3							
	08S	00087	- 0.32	33.47	26.91		1447.1							
	08S	00091	- 0.58	33.47	26.52		1446.0							
	08S	00095	- 0.65	33.51	26.95		1445.8							
	STO	00100	- 0.58	33.64	27.06	00.132	1446.4							
	08S	C0100	- 0.52	33.65	27.06		1446.7							
	08S	00104	- 0.14	33.64	27.04		1448.5							
	STO	00125	00.42	33.84	27.17	00.156	1451.7							
	08S	00125	00.45	33.85	27.18		1451.8							
	08S	00129	00.63	33.91	27.21		1452.8							
	08S	C0140	01.36	34.16	27.37		1456.6							
	STO	00150	01.47	34.16	27.36	00.176	1457.2							
	08S	00150	01.47	34.16	27.36		1457.2							
	08S	00155	01.47	34.26	27.44		1457.5							
	08S	00173	02.47	34.39	27.47		1462.3							
	08S	00177	02.72	34.42	27.47		1463.5							
	08S	00184	02.90	34.45	27.48		1464.5							
	08S	00188	03.17	34.51	27.50		1465.8							
	STO	00200	C3.40	34.54	27.51	00.209	1467.0							
	08S	00201	03.42	34.95	27.51		1467.1							
	08S	00230	03.44	34.61	27.55		1467.8							
	STO	00250	03.45	34.62	27.56	00.238	1468.1							
	08S	00253	03.45	94.62	27.56		1468.2							
	08S	00264	03.56	34.62	27.55		1468.9							
	08S	00266	03.50	34.64	27.57		1468.6							
	08S	00274	03.17	34.62	27.59		1467.3							
	08S	00276	03.11	34.61	27.59		1467.1							
	08S	00279	03.15	34.64	27.61		1467.4							
	08S	00283	03.01	34.60	27.59		1466.8							
	08S	00289	02.59	34.56	27.61		1465.0							
	STO	00300	02.34	34.57	27.62	00.265	1464.1							
	08S	00300	02.33	34.57	27.62		1464.1							
	08S	00354	02.73	34.65	27.65		1466.8							
	STO	C0400	03.41	34.77	27.69	00.312	1470.6							
	08S	00401	03.42	34.78	27.69		1470.7							
	08S	00407	03.45	34.80	27.70		1471.0							
	08S	00415	03.69	34.81	27.65		1472.1							
	08S	00454	03.94	34.87	27.71		1473.9							
	STO	C0500	03.92	34.86	27.72	00.356	1474.6							
	08S	00530	03.92	34.82	27.72		1474.6							
	08S	00552	03.81	34.68	27.73		1475.0							
	STO	00600	03.60	34.66	27.74	00.398	1474.9							
	08S	00601	03.60	34.66	27.74		1474.9							
	08S	00652	03.54	34.85	27.74		1475.5							
	STO	00700	03.49	34.85	27.74	00.441	1476.1							
	08S	00702	03.49	34.85	27.74		1476.1							
	08S	00751	03.49	34.85	27.74		1476.9							
	STO	00800	03.45	34.85	27.74	00.483	1477.6							
	08S	00807	03.45	34.85	27.74		1477.7							
	08S	00852	03.44	94.85	27.75		1478.4							
	STO	00900	03.44	34.85	27.75	00.527	1479.2							
	08S	C0902	03.44	34.85	27.75		1479.2							
	08S	00953	03.44	34.85	27.75		1480.1							
	STO	01000	03.42	34.85	27.75	00.570	1480.8							
	08S	01003	03.42	34.85	27.75		1480.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00638	AIR TEMP 01.3	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SO 1306
CONSEC 0004	MONTH 05	SHIP EV	WET BULB 00.9	33 4 5	WIND-SPD 18	TRACE DIR 0	9 SQUARE 2
LAT 43 50.4N	DAY 26	DATA USE 1	BAROMETR 1015.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 28
LONG 048 39.5W	HOUR 10.7	AREA 05	CLOUD 7/A	CL/7R	WEATHER X2	DRIF 011 783 09	1 SQUARE 38

C63TNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.03	33.53	26.64	00.000	1465.0							
10.7	OBS	00003	04.03	33.53	26.64		1465.1							
	STD	00010	04.03	33.53	26.64	00.014	1465.2							
	OBS	00011	04.03	33.53	26.64		1465.2							
	STD	00020	04.02	33.53	26.64	00.028	1465.3							
	OBS	00020	04.02	33.53	26.64		1465.3							
	STD	00030	04.03	33.53	26.64	00.042	1465.5							
	OBS	00030	04.03	33.53	26.64		1465.5							
	STD	00050	03.98	33.53	26.64	00.071	1465.6							
	OBS	00051	03.98	33.34	26.65		1465.7							
	OBS	00055	03.65	33.57	26.71		1464.4							
	STD	00075	03.07	33.88	27.01	00.102	1462.6							
	OBS	00076	03.04	33.90	27.03		1462.5							
	OBS	00087	02.82	34.11	27.21		1462.1							
	OBS	00095	02.44	34.11	27.25		1460.5							
	OBS	00099	02.29	34.20	27.33		1460.1							
	STD	00100	02.32	34.22	27.34	00.124	1460.2							
	OBS	00100	02.35	34.23	27.35		1460.4							
	OBS	00108	02.54	34.28	27.37		1461.4							
	OBS	00112	02.36	34.25	27.36		1460.7							
	OBS	00114	02.37	34.30	27.40		1460.8							
	OBS	00119	03.13	34.44	27.43		1464.2							
	STD	00125	03.19	34.44	27.44	00.142	1464.7							
	OBS	00127	03.20	34.44	27.44		1464.6							
	OBS	00135	03.13	34.48	27.48		1464.7							
	STD	00150	03.48	34.54	27.49	00.158	1466.5							
	OBS	00150	03.49	34.54	27.49		1466.6							
	OBS	00156	03.38	34.50	27.47		1466.1							
	OBS	00161	03.06	34.53	27.53		1464.5							
	OBS	00167	03.48	34.56	27.51		1466.7							
	OBS	00175	03.60	34.58	27.51		1467.5							
	STD	00200	04.00	34.69	27.56	00.187	1469.7							
	OBS	00203	04.01	34.70	27.57		1469.8							
	OBS	00228	03.77	34.70	27.59		1469.2							
	STD	00250	03.72	34.73	27.62	00.213	1469.4							
	OBS	00253	03.71	34.74	27.63		1469.5							
	OBS	00277	03.95	34.81	27.66		1471.0							
	OBS	00291	04.33	34.88	27.66		1472.9							
	STD	00300	04.40	34.89	27.68	00.237	1473.3							
	OBS	00303	04.40	34.89	27.68		1473.3							
	OBS	00302	04.40	34.89	27.68		1473.4							
	OBS	00308	04.21	34.87	27.68		1472.6							
	OBS	00350	04.38	34.94	27.70		1475.0							
	STD	00400	04.44	34.94	27.71	00.282	1475.2							
	OBS	00403	04.44	34.94	27.71		1475.3							
	OBS	00454	04.46	34.95	27.72		1476.2							
	STD	00500	04.31	34.94	27.73	00.325	1476.3							
	OBS	00500	04.31	34.94	27.73		1476.3							
	OBS	00552	04.19	34.94	27.74		1476.7							
	STD	00600	04.03	34.92	27.74	00.368	1476.8							
	OBS	00601	04.03	34.92	27.74		1476.8							
	OBS	00651	03.87	34.88	27.73		1476.5							
	STD	00700	03.81	34.91	27.76	00.410	1477.5							
	OBS	00700	03.81	34.91	27.76		1477.5							
	OBS	00751	03.79	34.90	27.75		1478.3							
	STD	00800	03.71	34.90	27.76	00.451	1478.7							
	OBS	00801	03.71	34.90	27.76		1478.7							
	OBS	00850	03.89	34.90	27.76		1479.3							
	STD	00900	03.64	34.90	27.76	00.494	1480.1							
	OBS	00902	03.64	34.90	27.77		1480.1							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 A463	YEAR 1975	BOTOP 03105	AIR TEMP 03.5	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SO 1306
CONSEC 0005	MONTH 05	SHIP EV	WET BULB 01.5	30 3 4	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2
LAT 43 51.8N	DAY 26	DATA USE 1	BAROMETR 1015.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 048 24.8W	HOUR 12.6	AREA 05	CLOUD 7/A	CL/TR	WEATHER A2	ORIG 011 784 08	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.58	33.44	26.61	00.000	1463.0							
12.6	OBS	00005	03.58	33.44	26.61		1463.1							
	STD	00010	03.58	33.44	26.61	00.014	1463.1							
	OBS	00011	03.58	33.44	26.61		1463.2							
	STD	00020	03.58	33.44	26.61	00.029	1463.3							
	OBS	00020	03.58	33.44	26.61		1463.3							
	STD	00030	03.59	33.44	26.61	00.043	1463.5							
	OBS	00030	03.59	33.44	26.61		1463.5							
	OBS	00036	03.60	33.47	26.63		1463.7							
	OBS	00040	03.74	33.46	26.61		1464.3							
	OBS	00043	03.86	33.58	26.69		1465.1							
	OBS	00045	02.92	33.53	26.74		1461.0							
	OBS	00049	03.02	33.58	26.77		1461.6							
	STD	00050	02.98	33.60	26.79	00.070	1461.4							
	OBS	00051	02.89	33.64	26.83		1461.1							
	OBS	00060	02.99	33.80	26.95		1461.9							
	OBS	00064	02.44	33.96	27.13		1459.6							
	OBS	00068	02.12	34.05	27.22		1458.6							
	OBS	00074	02.76	34.22	27.31		1461.7							
	STD	00075	02.76	34.20	27.29	00.096	1461.7							
	OBS	00076	02.76	34.19	27.28		1461.7							
	OBS	00081	02.58	34.31	27.39		1461.2							
	OBS	00085	02.82	34.32	27.38		1462.3							
	OBS	00087	02.83	34.30	27.36		1462.4							
	OBS	00093	03.06	34.38	27.41		1463.6							
	STD	00100	02.92	34.40	27.43	00.114	1463.1							
	OBS	00100	02.92	34.40	27.44		1463.1							
	OBS	00106	02.97	34.40	27.43		1463.4							
	OBS	00116	03.56	34.54	27.49		1466.3							
	OBS	00119	03.56	34.55	27.49		1466.4							
	STD	00125	03.77	34.64	27.54	00.130	1467.5							
	OBS	00125	03.79	34.64	27.54		1467.6							
	OBS	00131	03.87	34.62	27.52		1468.0							
	STD	00150	03.83	34.68	27.55	00.144	1468.2							
	OBS	00150	03.83	34.66	27.56		1468.2							
	OBS	00169	03.77	34.68	27.58		1468.2							
	OBS	00175	03.88	34.72	27.60		1468.9							
	STD	00200	03.95	34.77	27.63	00.170	1469.6							
	OBS	00203	03.97	34.77	27.63		1469.8							
	OBS	00226	04.10	34.79	27.63		1470.7							
	STD	00250	04.28	34.83	27.65	00.194	1471.9							
	OBS	00255	04.30	34.84	27.65		1472.1							
	OBS	00276	04.33	34.86	27.66		1472.6							
	STD	00300	04.30	34.88	27.68	00.218	1472.9							
	OBS	00300	04.30	34.88	27.68		1472.9							
	OBS	00352	04.49	34.94	27.71		1474.6							
	STD	00400	04.46	34.97	27.73	00.261	1475.3							
	OBS	00401	04.46	34.97	27.73		1475.4							
	OBS	00451	04.28	34.94	27.73		1475.4							
	STD	00500	04.17	34.94	27.74	00.303	1475.7							
	OBS	00500	04.17	34.94	27.74		1475.7							
	OBS	00550	04.01	34.92	27.74		1475.9							
	STD	00600	03.90	34.91	27.75	00.344	1476.2							
	OBS	00601	03.90	34.91	27.75		1476.2							
	OBS	00651	03.78	34.90	27.75		1476.5							
	STD	00700	03.74	34.90	27.75	00.386	1477.2							
	OBS	00702	03.74	34.90	27.76		1477.2							
	OBS	00750	03.79	34.91	27.76		1478.2							
	STD	00800	03.81	34.92	27.76	00.427	1479.2							
	OBS	00803	03.81	34.92	27.76		1479.2							
	OBS	00850	03.65	34.90	27.76		1479.3							
	STD	00900	03.76	34.92	27.77	00.469	1480.6							
	OBS	00903	03.76	34.92	27.77		1480.6							
	OBS	00951	03.65	34.90	27.76		1481.0							
	STD	01000	03.60	34.89	27.76	00.512	1481.6							
	OBS	01003	03.60	34.89	27.76		1481.6							
	OBS	01048	03.54	34.89	27.77		1482.1							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

FEFIO 31 8463	YEAR 1975	BOTOP 03460	AIR TEMP 03.2	OIR HGT PER	WIND-DIR 32	INST STO RECORDER		TEN SO 1306
CONSEC 0006	MONTH 05	SHIP EV	WET BULB 01.4	29 2 4	WIND-SPD 20	TRACE DIR C		5 SQUARE 2
LAT 43 50.6N	DAY 26	DATA USE 1	BAROMETR 1018.0	SEA	WIND-FOR	DURATION 00.3		2 SQUARE 26
LONG 048 10.0W	HOUR 14.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 785 08		1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.12	33.38	26.61	0C.00C	1460.9							
14.6	OBS	00001	03.12	33.38	26.61		1461.0							
	STD	00010	03.11	33.38	26.61	00.014	1461.1							
	OBS	00013	03.11	33.38	26.61		1461.1							
	STD	00020	03.13	33.38	26.60	00.029	1461.3							
	OBS	00020	03.13	33.38	26.60		1461.3							
	STD	00030	03.13	33.38	26.60	00.043	1461.5							
	OBS	00030	03.13	33.38	26.60		1461.5							
	OBS	00038	03.24	33.50	26.69		1462.2							
	OBS	00043	03.61	33.52	26.67		1463.9							
	STD	00050	03.57	33.58	26.72	00.071	1463.9							
	OBS	00051	03.56	33.61	26.75		1464.0							
	OBS	00059	02.64	33.91	27.07		1460.5							
	OBS	00066	02.45	33.98	27.14		1459.9							
	OBS	00070	02.48	34.13	27.26		1460.3							
	STD	00075	02.17	34.09	27.25	00.098	1459.0							
	OBS	00076	02.11	34.09	27.26		1458.8							
	OBS	00095	01.84	34.32	27.46		1458.2							
	OBS	00097	01.95 P	34.36 P	27.490									
	OBS	00099	01.92	34.31	27.45 •		1458.6							
	STD	00100	01.93	34.32	27.46	00.116	1458.7							
	OBS	00104	01.95	34.38	27.50		1458.9							
	OBS	00106	02.07	34.40	27.51		1459.5							
	OBS	00114	03.01	34.54	27.54		1463.9							
	OBS	00119	03.33	34.58	27.54		1465.4							
	STD	00125	03.39	34.58	27.54	00.132	1465.8							
	OBS	00127	03.42	34.58	27.53		1465.9							
	STD	00150	03.72	34.66	27.57	00.146	1467.7							
	OBS	00150	03.72	34.66	27.57		1467.7							
	OBS	00175	03.90	34.72	27.60		1468.9							
	STD	00200	04.10	34.77	27.61	00.172	1470.3							
	OBS	00209	04.15	34.79	27.63		1470.7							
	OBS	00226	04.21	34.83	27.65		1471.2							
	STD	00250	04.29	34.86	27.66	00.196	1472.0							
	OBS	00253	04.30	34.86	27.66		1472.1							
	OBS	00276	04.42	34.90	27.68		1473.0							
	STD	00300	04.47	34.93	27.70	00.219	1473.7							
	OBS	00304	04.47	34.93	27.70		1473.7							
	OBS	00352	04.30	34.92	27.71		1473.8							
	STD	00400	04.35	34.94	27.72	00.262	1474.8							
	OBS	00401	04.35	34.94	27.72		1474.9							
	OBS	00454	04.31	34.95	27.73		1475.6							
	STD	00500	04.22	34.96	27.75	00.303	1476.0							
	OBS	00500	04.22	34.96	27.75		1476.0							
	OBS	00552	04.15	34.95	27.75		1476.5							
	STD	00600	04.01	34.93	27.75	00.344	1476.7							
	OBS	00601	04.01	34.93	27.75		1476.7							
	OBS	00651	03.96	34.94	27.76		1477.4							
	STD	00700	03.87	34.92	27.76	00.386	1477.8							
	OBS	00702	03.87	34.92	27.76		1477.8							
	OBS	00750	03.88	34.93	27.76		1478.6							
	STD	00800	03.79	34.91	27.76	00.428	1479.1							
	OBS	00803	03.78	34.91	27.76		1479.1							
	OBS	00850	03.69	34.91	27.77		1479.5							
	STD	00900	03.60	34.89	27.76	00.470	1479.9							
	OBS	00904	03.60	34.89	27.76		1480.0							
	OBS	00951	03.61	34.90	27.77		1480.8							
	STD	01000	03.62	34.90	27.77	00.512	1481.7							
	OBS	01001	03.62	34.90	27.77		1481.7							
	OBS	01056	03.60	34.90	27.77		1482.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID	31	8463	YEAR 1975	BOTTOP 03814	AIR TEMP	02.5	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEM SO 5306
CONSEC		0007	MONTH 05	SHIP EV	WET BULB	01.1	31 2 4	WIND-SPD 19	TRACE DIR 0	5 SQUARE 2
LAT	43 47.5N		DAY 26	DATA USE 1	BAROMETR 1001.7		SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26
LONG	047 46.5W		HOUR 16.5	AREA 05	CLOUD T/A		CL/TR	WEATHER X2	ORIG 11 786 14	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.72	33.46	26.61	00.000	1463.6							
16.5	OBS	00003	03.72	33.46	26.61		1463.7							
	STD	00010	03.69	33.46	26.62	00.014	1463.6							
	OBS	00011	03.69	33.46	26.62		1463.7							
	STD	00020	03.71	33.46	26.61	00.029	1463.9							
	OBS	00020	03.71	33.46	26.61		1463.9							
	STD	00030	03.71	33.46	26.61	00.043	1464.0							
	OBS	00030	03.71	33.46	26.61		1464.1							
	OBS	00036	03.59	33.52	26.67		1463.7							
	OBS	00040	03.04	33.49	26.70		1481.4							
	OBS	00043	02.58	33.50	26.71		1461.2							
	OBS	00047	02.55	33.48	26.73		1459.4							
	STD	00050	02.47	33.54	26.78	00.070	1459.2							
	OBS	00051	02.43	33.57	26.82		1459.0							
	OBS	00053	02.02	33.62	26.89		1457.3							
	OBS	00059	01.79	33.76	27.02		1456.6							
	OBS	00062	02.16	33.88	27.08		1458.5							
	OBS	00066	01.96	33.89	27.11		1457.7							
	OBS	00068	02.07	33.99	27.18		1458.3							
	OBS	00074	02.00	34.04	27.23		1458.2							
	STD	00075	01.91	34.05	27.24	00.097	1457.8							
	OBS	00081	01.45	34.08	27.30		1455.9							
	OBS	00083	01.43	34.08	27.30		1455.9							
	OBS	00095	01.63	34.23	27.41		1457.1							
	OBS	00099	02.56	34.40	27.47		1461.5							
	STD	00100	02.61	34.41	27.47	00.115	1461.8							
	OBS	00102	02.75	34.42	27.47		1462.4							
	OBS	00104	03.20	34.46	27.46		1464.5							
	OBS	00110	02.94	34.45	27.47		1463.4							
	OBS	00114	03.26	34.52	27.50		1465.0							
	STD	00125	03.25	34.52	27.50	00.130	1465.1							
	OBS	00125	03.24	34.52	27.50		1465.1							
	OBS	00142	02.81	34.48	27.51		1463.4							
	OBS	00144	02.77	34.50	27.53		1463.3							
	STD	00150	02.82	34.52	27.54	00.145	1463.6							
	OBS	00150	02.82	34.52	27.54		1463.7							
	OBS	00156	02.83	34.51	27.53		1463.8							
	OBS	00165	03.40	34.63	27.57		1466.5							
	OBS	00175	03.20	34.60	27.57		1465.8							
	OBS	00178	03.11	34.58	27.56		1465.5							
	OBS	00180	02.88	34.57	27.57		1464.5							
	OBS	00186	02.51	34.53	27.58		1462.5							
	STD	00200	02.21	34.52	27.59	00.172	1461.8							
	OBS	00201	02.18	34.52	27.59		1461.7							
	OBS	00226	02.06	34.54	27.62		1461.6							
	STD	00250	02.14	34.56	27.63	00.197	1462.4							
	OBS	00255	02.21	34.56	27.64		1462.8							
	OBS	00262	02.36	34.62	27.66		1463.6							
	OBS	00277	02.40	34.63	27.66		1464.3							
	STD	00300	02.63	34.67	27.68	00.220	1465.5							
	OBS	00302	02.67	34.68	27.68		1465.7							
	OBS	00323	02.99	34.72	27.68		1467.5							
	OBS	00343	03.38	34.77	27.69		1469.5							
	OBS	00346	03.30	34.76	27.69		1469.3							
	OBS	00354	03.48	34.79	27.69		1470.2							
	STD	00400	04.16	34.93	27.74	00.263	1474.0							
	OBS	00403	04.19	34.94	27.74		1474.2							
	OBS	00454	04.37	34.98	27.75		1475.9							
	STD	00500	04.33	34.97	27.75	00.304	1476.4							
	OBS	00500	04.33	34.97	27.75		1478.5							
	OBS	00553	04.24	34.96	27.75		1476.9							
	STD	00600	04.23	34.97	27.76	00.345	1477.7							
	OBS	00605	04.22	34.97	27.76		1477.7							
	OBS	00654	04.05	34.93	27.75		1477.8							
	STD	00700	03.92	34.92	27.75	00.386	1478.0							
	OBS	00700	03.92	34.92	27.75		1478.0							
	OBS	00750	03.79	34.91	27.76		1478.2							
	STD	00800	03.69	34.90	27.76	00.426	1478.6							
	OBS	00805	03.69	34.90	27.76		1478.7							
	OBS	00850	03.76	34.93	27.78		1479.8							
	STD	00900	03.74	34.92	27.77	00.470	1480.5							
	OBS	00900	03.74	34.92	27.77		1480.5							
	OBS	00951	03.62	34.90	27.77		1480.5							
	STD	01000	03.55	34.89	27.77	00.512	1481.4							
	OBS	01005	03.54	34.89	27.77		1481.4							
	OBS	01050	03.49	34.88	27.76		1481.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 03843	AIR TEMP 04.9	DIR HGT PER	WIND-DIR 33	INST STC RECORDER	TEN SQ 1308
CONSEC 0038	MONTH 05	SHIP EV	WET BULB 02.4	27 4 3	WIND-SPD 21	TRACE DIR 0	5 SQUARE 2
LAT 43 50.0N	DAY 28	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26
LONG 047 40.2W	HOUR 18.5	AREA 05	CLOUD T/A	CL/TH	WEATHER A2	DAIG 011 787 18	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.26	33.16	26.42	00.000	1461.2							
18.5	OBS	00003	03.26	33.16	26.42		1461.3							
	STD	00010	03.28	33.16	26.42	00.016	1461.5							
	OBS	00011	03.28	33.16	26.42		1461.5							
	STD	00020	03.28	33.16	26.42	00.032	1461.8							
	OBS	00022	03.28	33.16	26.42		1461.7							
	STD	00030	03.28	33.16	26.42	00.049	1461.7							
	OBS	00032	03.25	33.16	26.42		1461.7							
	OBS	00036	03.11	33.14	26.41		1461.1							
	OBS	00038	02.49	33.21	26.52		1458.6							
	OBS	00045	02.61	33.20	26.51		1459.2							
	OBS	00047	02.29	33.31	26.62		1458.0							
	STD	00050	01.86	33.33	26.67	00.079	1456.2							
	OBS	00051	01.68	33.34	26.69		1455.4							
	OBS	00053	01.51	33.42	26.76		1454.8							
	OBS	00055	01.47	33.45	26.79		1454.7							
	OBS	00057	01.51	33.45	26.79		1454.9							
	OBS	00066	00.09	33.45	26.87		1448.7							
	STD	00075	00.28	33.63	27.01	00.109	1449.9							
	OBS	00076	00.30	33.68	27.05		1450.1							
	OBS	00078	01.26	33.77	27.06		1454.6							
	OBS	00081	01.40	33.76	27.04		1455.3							
	OBS	00087	00.72	33.75	27.08		1452.3							
	OBS	00093	00.83	33.83	27.14		1453.0							
	OBS	00097	01.91	33.94	27.15		1458.0							
	OBS	00099	01.97	34.02	27.21		1458.4							
	STD	00100	02.24	34.03	27.20	00.133	1459.6							
	OBS	00104	02.92	34.06	27.16 *		1462.7							
	OBS	00110	02.45	34.03	27.18		1460.7							
	OBS	00119	02.46	34.03	27.18		1460.9							
	STD	00125	02.92	34.17	27.25	00.155	1463.2							
	OBS	00125	02.96	34.18	27.26		1463.4							
	OBS	00148	03.08	34.20	27.26		1464.3							
	STD	00150	03.03	34.19	27.26	00.176	1464.1							
	OBS	00150	03.01	34.19	27.26		1464.0							
	OBS	00156	02.70	34.28	27.36		1462.9							
	OBS	00163	03.21	34.42	27.42		1465.4							
	OBS	00169	02.22	34.34	27.45		1461.1							
	OBS	00182	02.59	34.46	27.51		1463.1							
	OBS	00159	03.51	34.55	27.50		1467.5							
	STD	00200	03.51	34.55	27.50	00.212	1467.5							
	OBS	00205	03.65	34.62	27.54		1468.3							
	OBS	00228	03.85	34.64	27.54		1469.5							
	STD	00250	03.40	34.58	27.54	00.241	1467.9							
	OBS	00251	03.35	34.58	27.54		1467.7							
	OBS	00255	03.20	34.62	27.54		1467.1							
	OBS	00266	03.17	34.60	27.57		1467.2							
	OBS	00287	02.42	34.54	27.59		1464.2							
	STD	00300	02.34	34.57	27.62	00.268	1464.1							
	OBS	00302	02.33	34.57	27.62		1464.1							
	OBS	00350	02.33	34.60	27.65		1464.9							
	STD	00400	02.75	34.68	27.67	00.316	1467.7							
	OBS	00401	02.77	34.68	27.67		1467.8							
	OBS	00403	02.79	34.68	27.67		1467.9							
	OBS	00426	03.24	34.77	27.70		1470.4							
	OBS	00435	03.54	34.79	27.69		1471.8							
	OBS	00456	03.31	34.78	27.70		1471.2							
	STD	00500	03.51	34.82	27.71	00.360	1472.8							
	OBS	00500	03.51	34.82	27.71		1472.8							
	OBS	00550	03.71	34.86	27.73		1474.5							
	STD	00600	03.98	34.92	27.74	00.403	1476.6							
	OBS	00601	03.99	34.92	27.75		1476.6							
	OBS	00651	04.10	34.94	27.75		1477.9							
	STD	00700	03.99	34.94	27.76	00.445	1476.3							
	OBS	00700	03.99	34.94	27.76		1476.3							
	OBS	00750	03.81	34.90	27.75		1476.3							
	STD	00800	03.85	34.91	27.75	00.487	1479.3							
	OBS	00803	03.85	34.91	27.75		1479.4							
	OBS	00852	03.94	34.93	27.76		1480.6							
	STD	00900	03.86	34.93	27.76	00.530	1481.1							
	OBS	00900	03.88	34.93	27.76		1481.2							
	OBS	00953	03.78	34.91	27.76		1481.6							
	STD	01000	03.76	34.91	27.76	00.573	1482.3							
	OBS	01001	03.76	34.91	27.76		1482.3							
	OBS	01054	03.72	34.91	27.77		1483.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 01536	AIR TEMP 02.7	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SO 1306
CONSEC 0C09	MONTH 05	SHIP EV	WET BULB 0C.9	27 6 4	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
L6" 44 04.5N	DAY 26	DATA USE 1	BARCHETR 1018.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 41.2W	HOUR 21.6	AREA 05	CLOUD 7/A	CL/7A	WEATHER X1	ORIG 011 788 11	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OXYDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.57	34.35	26.79	00.000	1482.0							
21.6	OBS	00001	07.97	34.35	26.79		1482.0							
	STD	00010	07.98	34.35	26.79	00.013	1482.2							
	OBS	00011	07.98	34.35	26.79		1482.2							
	OBS	C0015	07.97	34.34	26.78		1482.2							
	STD	00020	07.97	34.35	26.79	00.025	1482.3							
	OBS	00020	07.97	34.35	26.79		1482.3							
	STD	00030	07.56	34.35	26.79	00.038	1482.4							
	STD	00050	07.95	34.35	26.79	00.064	1482.7							
	OBS	0C053	07.95	34.35	26.79		1482.8							
	OBS	00059	07.47	34.45	26.94		1481.1							
	OBS	00068	08.41	34.79	27.07		1485.3							
	OBS	00070	08.38	34.78	27.06		1485.2							
	OBS	00074	07.80	34.68	27.07		1483.0							
	STD	0C075	07.94	34.71	27.08	00.092	1483.6							
	OBS	00079	08.48	34.84	27.10		1485.9							
	OBS	00085	08.37	34.81	27.09		1485.5							
	OBS	00093	07.56	34.64	27.08		1482.3							
	OBS	00097	07.50	34.70	27.13		1482.2							
	STD	C0100	07.56	34.71	27.13	00.117	1482.5							
	OBS	00100	07.57	34.71	27.13		1482.5							
	OBS	00119	07.59	34.74	27.15		1483.0							
	STD	00125	07.28	34.70	27.17	00.140	1481.8							
	OBS	00127	07.23	34.70	27.17		1481.6							
	OBS	00133	07.29	34.72	27.18		1482.0							
	STD	00150	07.76	34.82	27.19	00.163	1484.2							
	OBS	00152	07.79	34.83	27.19		1484.4							
	OBS	00169	07.82	34.85	27.20		1484.8							
	OBS	00177	07.71	34.86	27.23		1484.5							
	OBS	00182	07.62	34.83	27.22		1484.2							
	OBS	00190	07.80	34.91	27.25		1485.2							
	STD	00200	07.79	34.95	27.28	00.207	1485.3							
	OBS	00201	07.79	34.95	27.29		1485.4							
	OBS	00209	07.88	34.94	27.26 •		1485.8							
	OBS	00218	07.41	34.84	27.26		1484.0							
	OBS	00220	07.20	34.86	27.30		1483.3							
	OBS	00228	07.23	34.92	27.34		1483.6							
	OBS	00230	07.25	34.90	27.33		1483.7							
	OBS	00234	07.65	35.06	27.39		1485.5							
	STD	00250	07.73	35.06	27.38	00.247	1486.1							
	OBS	00257	07.79	35.06	27.37		1486.4							
	OBS	00258	07.81	35.07	27.38		1486.5							
	OBS	00287	05.65	34.71	27.35		1478.0							
	OBS	00289	05.55	34.73	27.42		1477.7							
	OBS	0C298	04.84	34.65	27.44		1474.8							
	STD	00300	04.75	34.64	27.44	00.283	1474.4							
	OBS	00308	04.22	34.57	27.44		1472.3							
	OBS	00319	03.90	34.55	27.49		1471.1							
	OBS	00325	04.11	34.62	27.49		1472.2							
	OBS	00350	04.12	34.68	27.54		1472.7							
	OBS	00357	04.24	34.70	27.54		1473.4							
	OBS	00367	04.85	34.80	27.56		1476.2							
	OBS	00375	04.73	34.76	27.54		1475.8							
	OBS	00378	04.73	34.79	27.56		1475.9							
	OBS	00386	04.51	34.77	27.57		1475.0							
	OBS	00388	04.49	34.77	27.57		1475.0							
	OBS	00397	04.86	34.81	27.56		1476.7							
	STD	00400	04.70	34.80	27.57	00.345	1476.1							
	OBS	00407	04.39	34.79	27.60		1474.9							
	OBS	00420	04.73	34.86	27.62		1476.6							
	OBS	00439	04.85	34.88	27.62		1477.5							
	OBS	00453	04.59	34.93	27.64		1476.3							
	OBS	C0460	04.73	34.88	27.63		1477.3							
	OBS	00462	04.73	34.89	27.64		1477.4							
	OBS	00479	05.46	35.04	27.67		1480.8							
	STD	00500	05.34	35.02	27.67	00.398	1480.7							
	OBS	00502	05.32	35.02	27.67		1480.6							
	OBS	00506	05.42	35.05	27.69		1481.2							
	OBS	00550	04.90	34.97	27.68		1479.6							
	STD	00600	04.96	35.02	27.72	00.446	1480.8							
	OBS	00603	04.96	35.02	27.72		1480.8							
	OBS	00651	04.80	35.00	27.72		1480.5							
	STD	00700	04.73	35.01	27.74	00.491	1481.5							
	OBS	00700	04.73	35.01	27.74		1481.5							
	OBS	00753	04.60	35.00	27.74		1481.8							
	STD	C0800	04.51	34.99	27.74	00.536	1482.2							
	OBS	00803	04.51	34.99	27.74		1482.2							
	OBS	00856	04.46	34.99	27.75		1482.9							
	STD	00900	04.37	34.99	27.76	00.581	1483.3							
	OBS	00900	04.37	34.99	27.76		1483.3							
	OBS	00951	04.28	34.96	27.76		1483.7							
	STD	01000	04.24	34.98	27.77	00.625	1484.3							
	OBS	01001	04.22	34.98	27.77		1484.3							
	OBS	01054	04.19	34.97	27.76	•	1485.1							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCDC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 03675	AIR TEMP 03.5	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SD 1306
CONSEC 0010	MONTH 05	SHIP EV	WET BULB 02.9	31 3 4	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 44 22.0N	DAY 26	DATA USE 1	BARCMETR 1015.0	SEA	WIND-FOR	DURATICN 00.4	2 SQUARE 46
LONG 047 40.9W	HOUR 23.5	AREA 05	CLCUD T/A	CL/TP	WEATHER X1	ORIG 011 789	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	10.33	34.93	26.86	00.000	1491.5							
23.5	OBS	00003	10.33	34.93	26.86		1491.6							
	STD	00010	10.35	34.94	26.86	00.012	1491.7							
	OBS	00011	10.35	34.94	26.86		1491.8							
	STD	00020	10.34	34.93	26.86	00.024	1491.5							
	OBS	C0020	10.34	34.93	26.86		1491.9							
	STD	00030	10.35	34.94	26.86	00.036	1492.1							
	OBS	00032	10.35	34.94	26.86		1492.1							
	STD	00050	10.34	34.94	26.87	00.060	1492.4							
	OBS	00051	10.34	34.94	26.87		1492.4							
	OBS	00064	10.35	34.99	26.90		1492.8							
	OBS	00066	10.58	35.00	26.87 *		1493.8							
	OBS	00070	11.37	35.22	26.90		1496.7							
	STD	00075	11.51	35.29	26.92	00.090	1497.4							
	OBS	00076	11.54	35.30	26.93		1497.5							
	OBS	00099	11.85	35.40	26.95		1499.1							
	STD	00100	11.76	35.38	26.95	00.118	1498.8							
	OBS	00104	11.37	35.32	26.98		1497.4							
	OBS	00123	10.76	35.27	27.05		1495.5							
	STD	00125	10.87	35.30	27.05	00.146	1496.0							
	OBS	00129	11.14	35.38	27.06		1497.1							
	STD	00150	10.13	35.15	27.07	00.172	1493.5							
	OBS	00150	10.09	35.14	27.06		1493.4							
	OBS	00154	09.70	35.03	27.05		1491.9							
	OBS	00156	09.65	35.09	27.10		1491.8							
	OBS	00165	08.45	34.80	27.07 *		1487.1							
	OBS	00169	08.04	34.84	27.16		1485.8							
	OBS	00175	07.90	34.84	27.18		1485.2							
	OBS	C0184	07.41	34.74	27.18		1483.3							
	STD	00200	07.36	34.73	27.18	00.221	1483.4							
	OBS	00203	07.35	34.73	27.18		1483.4							
	OBS	00224	07.27	34.76	27.21		1483.5							
	OBS	00232	08.20	34.94	27.22		1487.4							
	OBS	00239	08.18	34.91	27.20		1487.4							
	OBS	00245	07.54	34.88	27.27		1485.1							
	STD	00250	07.56	34.88	27.27	00.266	1485.2							
	OBS	00251	07.55	34.89	27.27		1485.3							
	OBS	00262	07.90	34.92	27.25		1486.7							
	OBS	C0270	08.06	34.97	27.26		1487.6							
	OBS	00276	07.97	34.95	27.26		1487.3							
	OBS	00281	07.73	34.93	27.28		1486.4							
	OBS	00287	08.04	35.00	27.29		1487.8							
	STD	00300	07.85	34.95	27.31	00.308	1487.3							
	OBS	C0300	07.84	34.95	27.31		1487.2							
	OBS	00329	07.85	35.00	27.35		1487.3							
	OBS	00335	07.13	34.92	27.36		1485.0							
	OBS	00348	06.96	34.98	27.43		1484.6							
	OBS	00350	07.12	35.01	27.43		1485.3							
	OBS	00367	07.19	35.03	27.44		1485.5							
	OBS	00397	06.66	34.96	27.45		1484.2							
	STD	00400	06.50	34.93	27.46	00.384	1483.5							
	OBS	00407	06.03	34.86	27.46		1481.7							
	OBS	00426	05.46	34.71 P	27.410*										
	OBS	00430	05.10	34.70 P	27.450										
	OBS	00453	04.98	34.80	27.54		1476.1							
	OBS	00466	05.28	34.90	27.56		1475.7							
	OBS	00472	05.78	35.01	27.61		1482.0							
	STD	00500	05.66	34.99	27.61	00.447	1481.9							
	OBS	C0500	05.66	34.99	27.61		1481.9							
	OBS	00529	05.48	34.95	27.60		1481.6							
	OBS	00533	05.25	34.90	27.59		1480.7							
	OBS	00540	04.69	34.85	27.61		1478.4							
	OBS	00550	04.67	34.87	27.63		1478.5							
	STD	C0600	04.76	34.94	27.68	00.499	1479.8							
	OBS	00601	04.76	34.94	27.68		1479.9							
	OBS	00652	04.65	34.94	27.69		1480.3							
	STD	00700	04.92	35.03	27.73	00.547	1482.3							
	OBS	00702	04.93	35.03	27.73		1482.4							
	OBS	00751	04.48	34.95	27.72		1481.2							
	STD	00800	04.37	34.96	27.74	00.593	1481.8							
	OBS	00801	04.37	34.96	27.74		1481.6							
	OBS	00850	04.19	34.94	27.74		1481.6							
	STD	00900	04.19	34.95	27.75	00.638	1482.5							
	OBS	C0900	04.19	34.95	27.75		1482.5							
	OBS	C0953	04.24	34.97	27.76		1483.6							
	STD	01000	04.05	34.94	27.75	00.683	1483.6							
	OBS	01001	04.05	34.94	27.75		1483.6							
	OBS	01026	03.99	34.94	27.76		1483.7							
	OBS	01054	03.99	34.94	27.76		1484.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOCC STATION DATA

REFID 31 0463	YEAR 1975	BOTOP 03524	AIR TEMP 07.1	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SG 130
CONSEC 0011	MONTH 05	SHIP EV	WET BULB 06.1	23 1 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE
LAT 44 35.8N	DAY 27	DATA USE 1	BARCMETR 1020.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 4
LONG 347 43.0W	HOUR 02.2	AREA 05	CLOUD 7/A	CL/TR	WEATHER X1	ORIG 011 790	1 SQUARE 4

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NC2	NC3	SIO3	PH
02.2	OBS	00009	11.04	35.14	26.90		1494.5							
	STD	00010	11.04	35.14	26.90		1494.5							
	STD	00020	11.04	35.14	26.90		1494.6							
	OBS	00022	11.04	35.14	26.90		1494.7							
	STD	00030	11.09	35.15	26.85		1495.0							
	OBS	00030	11.09	35.15	26.85		1495.0							
	STD	00050	11.12	35.15	26.89		1495.4							
	OP	00051	11.12	35.15	26.89		1495.4							
	STD	00075	11.10	35.15	26.89		1495.8							
	OP	00076	11.10	35.15	26.89		1495.8							
	OB	00093	11.24	35.21	26.91		1496.6							
	OBS	00095	11.60	35.32	26.93		1498.0							
	STD	00100	11.66	35.34	26.94		1498.3							
	OBS	00100	11.66	35.34	26.94		1498.4							
	STD	00125	10.65	35.22	27.03		1495.1							
	OBS	00127	10.64	35.21	27.02		1495.1							
	OBS	00129	10.64	35.20	27.01		1494.0							
	OBS	00131	10.33	35.18	27.05		1491.6							
	OBS	00137	09.70	35.08	27.08		1488.8							
	OBS	00146	08.97	34.94	27.10		1488.8							
	STD	00150	08.87	34.93	27.11		1488.8							
	OBS	00152	08.80	34.93	27.12		1488.4							
	OBS	00156	07.52	34.69	27.12		1483.2							
	OBS	00161	07.45	34.68	27.12		1483.0							
	OBS	00165	07.70	34.74	27.13		1484.1							
	OBS	00167	07.68	34.75	27.15		1484.1							
	OBS	00169	07.37	34.67	27.13		1482.8							
	OBS	00173	07.66	34.75	27.15		1484.1							
	OBS	00175	07.66	34.75	27.15		1484.2							
	OBS	00190	07.41	34.72	27.16		1483.4							
	OBS	00198	06.96	34.63	27.15		1481.7							
	STD	00200	06.94	34.67	27.19		1481.7							
	OBS	00201	06.93	34.71	27.22		1481.7							
	OBS	00207	07.59	34.82	27.21		1484.5							
	OBS	00215	07.72	34.88	27.24		1485.2							
	OBS	00218	07.39	34.79	27.22		1483.9							
	OBS	00220	07.39	34.80	27.23		1483.9							
	OBS	00226	07.72	34.88	27.24		1485.4							
	OBS	00234	08.15	35.00	27.27		1487.3							
	OBS	00236	08.41	35.05	27.27		1488.4							
	STD	00250	08.32	35.02	27.26		1488.3							
	OBS	00251	08.30	35.02	27.26		1488.2							
	OBS	00276	07.81	34.96	27.29		1486.7							
	OBS	00279	07.72	34.97	27.31		1486.4							
	OBS	00285	07.34	34.90	27.31		1484.9							
	STD	00300	06.20	34.74	27.34		1483.5							
	OBS	00300	06.16	34.73	27.34		1480.3							
	OBS	00325	06.03	34.77	27.39		1480.2							
	OBS	00336	06.57	34.93	27.44		1482.6							
	OBS	00342	06.55	35.00	27.45		1484.5							
	OBS	00350	07.20	35.06	27.46		1485.7							
	OBS	00371	07.05	35.07	27.49		1485.4							
	OBS	00378	06.77	35.04	27.50		1484.4							
	OBS	00380	06.75	35.04	27.51		1484.4							
	OBS	00386	06.53	34.97	27.48 •		1483.5							
	OBS	00394	05.41	34.83	27.51		1478.9							
	STD	00400	05.38	34.85	27.53		1478.9							
	OBS	00401	05.37	34.86	27.54		1479.0							
	OBS	00413	05.93	34.95	27.54		1481.6							
	OBS	00416	05.87	34.92	27.53		1481.3							
	OBS	00420	05.48	34.89	27.55		1479.8							
	OBS	00435	04.69	34.79	27.57		1476.6							
	OBS	00451	04.60	34.80	27.58		1476.5							
	STD	00500	04.56	34.82	27.60		1477.2							
	OBS	00500	04.55	34.82	27.61		1477.2							
	OBS	00512	04.36	34.82	27.63		1476.5							
	OBS	00525	04.21	34.84	27.66		1476.2							
	OBS	00550	04.71	34.95	27.69		1478.8							
	STD	00600	04.78	34.97	27.70		1480.0							
	OBS	00601	04.78	34.97	27.70		1480.0							
	OBS	00641	04.64	34.97	27.71		1480.1							
	OBS	00652	04.89	35.02	27.73		1481.4							
	STD	00700	04.85	35.02	27.73		1482.0							
	OBS	00704	04.84	35.02	27.73		1482.0							
	OBS	00750	04.64	35.02	27.75		1481.9							
	STD	00800	04.57	34.99	27.74		1482.4							
	OBS	00803	04.56	34.99	27.74		1482.5							
	OBS	00852	04.37	34.99	27.76		1482.3							
	STD	00900	04.15	34.95	27.75		1482.2							
	OBS	00909	04.10	34.94	27.75		1481.8							
	OBS	00955	03.63	34.90	27.75		1482.6							
	STD	01000	03.83	34.93	27.77		1482.6							
	OBS	01001	03.83	34.93	27.77		1482.6							
	OBS	01048	03.67	34.89	27.75		1482.7							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIC 31 8463	YEAR 1975	BOTOP 03558	AIR TEMP 05.1	DIR HGT PER	WIND-DIR 17	INST STO RECORDER	TEK SO 1306
CONSEC 0012	MONTH 05	SHIP EV	WET BULB 03.4	34 2 4	WIND-SPD 22	TRACE DIR 0	5 SQUARE 2
LAT 44 51.5N	DAY 27	DATA USE 1	BARCMETR 1018.1	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 39.0W	HOUR 04.7	AREA 05	CLOUD 7/A	CL/TR	WEATHER A1	ORIG 011 791	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	06.38	33.96	26.71	00.000	1475.1							
04.7	OBS	00003	06.38	33.96	26.71		1475.2							
	STO	00010	06.36	33.96	26.71	00.013	1475.3							
	OBS	00011	06.37	33.96	26.71		1475.4							
	STO	00020	06.46	33.99	26.72	00.027	1475.9							
	OBS	00020	06.47	33.99	26.72		1476.0							
	STO	00030	06.46	33.99	26.72	00.040	1476.1							
	OBS	00032	06.46	33.99	26.72		1476.1							
	OBS	00047	06.45	33.99	26.72		1476.3							
	STO	00050	05.95	33.95	26.75	00.067	1474.3							
	OBS	00053	05.49	33.92	26.78		1472.5							
	OBS	00055	05.35	33.92	26.80		1471.9							
	OBS	00060	03.05	33.81	26.95		1462.2							
	OBS	00066	03.28	33.97	27.06		1463.4							
	OBS	00068	03.75	34.10	27.12		1465.7							
	OBS	00070	03.85	34.14	27.14		1466.2							
	STO	00075	04.20	34.17	27.13	00.095	1467.8							
	OBS	00076	04.20	34.18	27.13		1468.1							
	OBS	00087	04.22	34.21	27.16		1468.2							
	OES	00091	03.84	34.16	27.16		1466.6							
	OBS	00057	04.11	34.27	27.22		1467.9							
	OBS	00059	04.43	34.29	27.20		1469.3							
	STO	00100	04.84	34.36	27.21	00.118	1471.1							
	OBS	00102	05.77	34.51	27.22		1475.2							
	OBS	00116	05.82	34.54	27.23		1475.7							
	OBS	00118	06.08	34.60	27.25		1476.8							
	OBS	00119	06.09	34.59	27.24		1476.9							
	STO	00125	05.64	34.55	27.26	00.139	1475.1							
	OBS	00125	05.62	34.55	27.27		1475.0							
	OBS	00131	05.76	34.59	27.28		1475.7							
	OBS	00135	05.30	34.50	27.27		1473.8							
	OBS	00137	05.24	34.57	27.33		1473.7							
	OBS	00144	06.35	34.76	27.34		1478.5							
	STO	00150	06.52	34.78	27.33	00.160	1479.3							
	OBS	00150	06.53	34.78	27.33		1479.4							
	OBS	00156	05.33	34.63	27.36		1474.4							
	OBS	00159	04.73	34.51	27.34		1471.9							
	OBS	00171	04.96	34.61	27.39		1473.1							
	OBS	00178	05.50	34.72	27.42		1475.6							
	OBS	00198	05.05	34.64	27.41		1474.0							
	STO	00200	04.98	34.64	27.41	00.196	1473.7							
	OBS	00201	04.76	34.62	27.42		1472.8							
	OBS	00203	04.36	34.58	27.44		1471.2							
	OBS	00218	04.56	34.70	27.51		1472.4							
	OBS	00222	05.01	34.75	27.50		1474.4							
	OBS	00228	05.26	34.79	27.50		1475.6							
	STO	00250	05.13	34.81	27.53	00.229	1475.4							
	OBS	00253	05.13	34.81	27.53		1475.5							
	OBS	00272	05.20	34.84	27.55		1476.1							
	OBS	00277	04.99	34.83	27.56		1475.3							
	STO	00300	04.55	34.78	27.57	00.258	1473.8							
	OBS	00300	04.54	34.78	27.57		1473.8							
	OBS	00350	04.65	34.87	27.63		1475.2							
	OBS	00361	04.49	34.89	27.67		1474.7							
	OBS	00375	04.89	34.92	27.65		1476.6							
	OBS	00378	05.26	35.01	27.67		1478.3							
	OBS	00390	05.67	35.05	27.65		1480.2							
	STO	00400	05.70	35.08	27.68	00.310	1480.6							
	OBS	00403	05.71	35.09	27.68		1480.7							
	OBS	00453	05.42	35.04	27.68		1480.2							
	STO	00500	05.21	35.05	27.71	00.357	1480.2							
	OBS	00500	05.21	35.05	27.71		1480.2							
	OBS	00552	04.96	35.04	27.73		1480.0							
	STO	00600	04.69	35.01	27.74	00.401	1479.7							
	OBS	00601	04.69	35.01	27.74		1479.7							
	OBS	00652	04.65	35.01	27.74		1480.4							
	STO	00700	04.48	34.96	27.74	00.445	1480.3							
	OBS	00702	04.45	34.98	27.74		1480.3							
	OBS	00750	04.24	34.96	27.75		1480.2							
	STO	00800	04.15	34.95	27.75	00.489	1480.8							
	OBS	00801	04.15	34.95	27.75		1480.8							
	OBS	00852	04.21	34.98	27.77		1481.8							
	STO	00900	04.03	34.94	27.76	00.533	1481.8							
	OBS	00900	04.03	34.94	27.76		1481.8							
	OBS	00953	03.99	34.95	27.77		1482.5							
	STO	01000	03.88	34.94	27.77	00.576	1482.8							
	OBS	01003	03.88	34.94	27.77		1482.9							
	OBS	01048	03.86	34.93	27.76		1483.6							

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Table 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

ESPIC 51 8463	YEAR 1975	BOTOP 03658	AIR TEMP 04.4	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1306
CONSEC 0313	MONTH 05	SHIP EV	WET BULB 03.0	19 3 4	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2
LAT 44 48.7N	DAY 27	DATA USE 1	BARDMETR 1017.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 347 58.2W	HOUR 07.9	AREA 05	CLOUD 7/A	CL/TR	WEATHER X2	ORIG 011 792 11	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT_P	NO2	NO3	SIO3	PH
	STD	00000	04.16	33.42	26.54	00.000	1465.4							
07.9	OBS	00001	04.16	33.42	26.54		1465.4							
	STD	00010	04.15	33.42	26.54	00.015	1465.5							
	OBS	00011	04.15	33.42	26.54		1465.6							
	STD	00020	04.14	33.42	26.54	00.030	1465.7							
	OBS	00020	04.14	33.42	26.54		1465.7							
	STD	00030	04.30	33.46	26.55	00.045	1466.5							
	OBS	00030	04.30	33.46	26.55		1466.5							
	OBS	00036	04.26	33.50	26.59		1466.5							
	OBS	00038	04.48	33.50	26.57		1467.5							
	OBS	00047	04.39	33.49	26.57		1467.2							
	STD	00050	03.92	33.43	26.57	00.075	1465.2							
	OBS	00051	03.50	33.38	26.57		1463.4							
	OBS	00053	02.77	33.30	26.57		1460.2							
	OBS	00055	02.41	33.32	26.62		1458.7							
	OBS	00074	02.23	33.71	26.94		1458.7							
	STD	00075	02.20	33.72	26.95	00.107	1458.6							
	OBS	00078	01.91	33.76	27.01		1457.4							
	OBS	00079	01.60	33.79	27.05		1456.2							
	OBS	00081	01.54	33.82	27.08		1456.0							
	OBS	00083	01.54	33.87	27.12		1456.1							
	OBS	00089	02.32	34.04	27.20		1459.8							
	STD	00100	02.38	34.06	27.21	00.132	1460.3							
	OBS	00100	02.38	34.06	27.21		1460.3							
	OBS	00104	01.93	34.08	27.26		1458.4							
	STD	00125	02.71	34.23	27.32	00.153	1462.3							
	OBS	00125	02.73	34.23	27.32		1462.5							
	OBS	00131	02.35	34.18	27.31		1460.8							
	OBS	00148	01.98	34.27	27.41		1459.6							
	STD	00150	02.49	34.33	27.42	00.171	1461.9							
	OBS	00150	02.59	34.34	27.42		1462.4							
	OBS	00154	02.90	34.39	27.43		1463.9							
	OBS	00165	03.32	34.48	27.46		1466.0							
	OBS	00175	03.20	34.47	27.47		1465.6							
	STD	00200	03.43	34.53	27.49	00.203	1467.1							
	OBS	00201	03.45	34.54	27.50		1467.2							
	OBS	00226	03.83	34.66	27.56		1469.4							
	OBS	00241	04.01	34.68	27.55		1470.4							
	STD	00250	03.56	34.62	27.55	00.233	1468.6							
	OBS	00251	03.51	34.62	27.56		1468.4							
	OBS	00276	03.92	34.73	27.60		1470.7							
	STD	00300	04.32	34.84	27.64	00.255	1472.9							
	OBS	00300	04.33	34.84	27.65		1473.0							
	OBS	00352	04.43	34.86	27.65		1474.3							
	STD	00400	04.42	34.85	27.67	00.307	1475.1							
	OBS	00401	04.42	34.85	27.68		1475.1							
	OBS	00453	04.40	34.92	27.70		1475.9							
	STD	00500	04.36	34.92	27.71	00.353	1476.5							
	OBS	00502	04.35	34.92	27.71		1476.5							
	OBS	00552	04.15	34.90	27.71		1476.6							
	STD	00600	04.08	34.92	27.74	00.397	1477.0							
	OBS	00601	04.08	34.92	27.74		1477.0							
	OBS	00651	04.13	34.94	27.75		1478.1							
	STD	00700	04.06	34.92	27.74	00.441	1478.6							
	OBS	00700	04.06	34.92	27.74		1478.6							
	OBS	00750	03.78	34.89	27.74		1478.2							
	STD	00800	03.88	34.92	27.76	00.484	1479.5							
	OBS	00801	03.88	34.92	27.76		1479.5							
	OBS	00852	03.85	34.93	27.77		1480.2							
	STD	00900	03.76	34.91	27.76	00.526	1480.6							
	OBS	00900	03.76	34.91	27.76		1480.6							
	OBS	00953	03.81	34.93	27.77		1481.7							
	STD	01000	03.80	34.93	27.77	00.565	1482.5							
	OBS	01001	03.78	34.93	27.77		1482.4							
	OBS	01007	03.69	34.91	27.77		1482.1							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

NODC 31 8463	YEAR 1975	BOTDP 02805	AIR TEMP 03.8	DIR FCT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306							
CONSEC 0014	MONTH 05	SHIP EV	WET BULB 03.0	23 3 4	WIND-SPD 24	TRACE DIR 0	5 SQUARE 2							
LAT 44 50.5N	DAY 27	DATA USE 1	BARCMETR 1017.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48							
LONG 048 08.5W	HOUR 09.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 793 10	1 SQUARE 48							

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT $\overline{P}$	NO2	NO3	SIO3	PH
	STD	00000	02.06	33.22	26.57	00.000	1456.1							
09.8	OBS	00001	02.06	33.22	26.57		1456.1							
	OBS	00009	02.05	33.22	26.57		1456.2							
	STD	00010	02.04	33.22	26.57	00.015	1456.2							
	OBS	00011	02.03	33.23	26.58		1456.2							
	STD	00020	02.17	33.22	26.56	00.030	1456.9							
	OBS	00020	02.18	33.22	26.56		1457.0							
	STD	00030	02.16	33.24	26.57	00.044	1457.1							
	OBS	00030	02.16	33.24	26.57		1457.1							
	OBS	00049	02.08	33.37	26.68		1457.2							
	STD	00050	02.06	33.39	26.70	00.073	1457.2							
	OBS	00051	02.02	33.46	26.76		1457.1							
	OBS	00053	01.97	33.56	26.84		1457.0							
	OBS	00055	01.32	33.52	26.86		1454.1							
	OBS	00059	00.88	33.60	26.95		1452.3							
	OBS	00060	00.62	33.69	27.04		1451.3							
	OBS	00066	00.40	33.80	27.14		1450.6							
	OBS	00070	00.65	33.92	27.22		1451.9							
	STD	00075	00.59	33.89	27.20	00.101	1451.7							
	OBS	00076	00.59	33.88	27.19		1451.7							
	OBS	00078	00.60	33.89	27.20		1451.8							
	OBS	00081	01.13	34.00	27.26		1454.4							
	OBS	00091	01.47	34.18	27.38		1456.3							
	OBS	00095	01.92	34.18	27.34 •		1458.4							
	STD	00100	02.07	34.26	27.39	00.120	1459.2							
	OBS	00100	02.24	34.27	27.39		1460.0							
	OBS	00102	02.74	34.30	27.37		1462.2							
	STD	00125	03.85	34.52	27.44	00.137	1467.6							
	OBS	00125	03.86	34.52	27.44		1467.7							
	STD	00150	03.65	34.53	27.47	00.153	1467.2							
	OBS	00150	03.65	34.54	27.48		1467.2							
	OBS	00152	03.74	34.59	27.51		1467.7							
	OBS	00154	04.06	34.65	27.52		1469.2							
	OBS	00175	04.60	34.75	27.54		1471.9							
	STD	00200	04.71	34.80	27.56	00.183	1472.8							
	OBS	00203	04.71	34.81	27.58		1472.9							
	OBS	00228	04.62	34.83	27.61		1473.0							
	STD	00250	04.81	34.89	27.63	00.209	1474.2							
	OBS	00253	04.82	34.89	27.63		1474.3							
	OBS	00277	04.73	34.88	27.63		1474.3							
	STD	00300	04.50	34.87	27.65	00.234	1473.7							
	OBS	00300	04.45	34.87	27.65		1473.7							
	OBS	00350	04.58	34.92	27.68		1474.9							
	STD	00400	04.40	34.91	27.69	00.280	1475.0							
	OBS	00401	04.40	34.91	27.69		1475.0							
	OBS	00451	04.39	34.93	27.71		1475.8							
	STD	00500	04.32	34.94	27.72	00.325	1476.4							
	OBS	00506	04.31	34.94	27.73		1476.4							
	OBS	00550	04.24	34.93	27.73		1476.8							
	STD	00600	04.07	34.93	27.75	00.367	1476.9							
	OBS	00601	04.06	34.93	27.75		1476.9							
	OBS	00651	03.88	34.90	27.74		1477.0							
	STD	00700	03.72	34.88	27.74	00.410	1477.1							
	OBS	00702	03.72	34.88	27.74		1477.1							
	OBS	00750	03.71	34.89	27.75		1477.9							
	STD	00800	03.65	34.91	27.77	00.452	1478.5							
	OBS	00801	03.65	34.91	27.77		1478.5							
	OBS	00850	03.67	34.90	27.76		1479.4							
	STD	00900	03.63	34.90	27.77	00.493	1480.1							
	OBS	00900	03.63	34.90	27.77		1480.1							
	OBS	00951	03.54	34.90	27.78		1480.5							
	STD	01000	03.56	34.90	27.77	00.535	1481.4							
	OBS	01001	03.56	34.90	27.77		1481.4							
	OBS	01008	03.56	34.90	27.77		1481.6							

TABLE II   USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFIC 31 8463	YEAR 1975	BOTOP 01564	AIR TEMP 04.1	DIR HGT PER	WIND-DIR 22	INST STC RECORDER	TEN SG 1306
CONSEC 0015	MONTH 05	SHIP EV	WET BULB 02.9	27 3 4	WIND-SPD 20	TRACE DIR 0	5 SQUARE 2
LAT 44 50.0N	DAY 27	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 24.3W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TA	WEATHER X2	ORIG 011 794 12	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.13	33.30	26.62	00.000	1456.5							
12.1	OBS	00001	02.13	33.30	26.62		1456.5							
	OBS	00003	02.13	33.29	26.62		1456.6							
	STD	00010	02.13	33.30	26.62	00.014	1456.7							
	OBS	00013	02.13	33.30	26.62		1456.7							
	STD	00020	02.12	33.30	26.62	00.028	1456.8							
	OBS	00020	02.11	33.30	26.63		1456.8							
	STD	00030	02.00	33.37	26.69	00.042	1456.5							
	OBS	00030	01.99	33.37	26.69		1456.5							
	OBS	00045	01.82	33.56	26.85		1456.2							
	STD	00050	01.50	33.71	27.00	00.067	1455.1							
	OBS	00051	01.41	33.75	27.04		1454.8							
	OBS	00064	00.91	33.84	27.14		1452.5							
	STD	00075	01.23	33.93	27.19	00.091	1454.6							
	OBS	00076	01.25	33.94	27.20		1454.7							
	STD	00100	01.25	34.04	27.28	00.112	1455.3							
	OBS	00102	01.25	34.06	27.30		1455.3							
	OBS	00112	01.31	34.16	27.37		1455.5							
	OBS	00118	01.57	34.23	27.41		1457.3							
	STD	00125	01.71	34.29	27.44	00.131	1458.1							
	OBS	00125	01.72	34.29	27.45		1458.1							
	STD	00150	02.28	34.40	27.45	00.146	1461.1							
	OBS	00152	02.31	34.41	27.50		1461.3							
	OBS	00175	02.49	34.50	27.55		1462.6							
	OBS	00184	02.63	34.52	27.56		1463.4							
	STD	00200	02.95	34.57	27.57	00.175	1465.1							
	OBS	00201	02.97	34.58	27.57		1465.2							
	OBS	00226	02.74	34.62	27.63		1464.7							
	STD	00250	02.76	34.59	27.60 ■	00.201	1465.1							
	OBS	00251	02.76	34.59	27.60		1465.2							
	OBS	00276	02.69	34.62	27.63		1465.3							
	STD	00300	02.85	34.67	27.66	00.226	1466.5							
	OBS	00300	02.86	34.67	27.66		1466.5							
	OBS	00350	03.29	34.75	27.68		1465.3							
	STD	00400	03.40	34.79	27.70	00.271	1470.6							
	OBS	00403	03.42	34.79	27.70		1470.8							
	OBS	00439	03.67	34.84	27.71		1472.5							
	OBS	00449	04.06	34.85	27.71		1474.4							
	OBS	00451	04.08	34.90	27.72		1474.5							
	OBS	00468	04.05	34.88	27.71		1474.6							
	STD	00500	03.81	34.86	27.72	00.315	1474.1							
	OBS	00500	03.81	34.86	27.72		1474.1							
	OBS	00553	03.96	34.91	27.74		1475.7							
	STD	00600	03.99	34.92	27.75	00.357	1476.6							
	OBS	00601	03.99	34.92	27.75		1476.6							
	OBS	00651	03.97	34.92	27.75		1477.4							
	STD	00700	03.94	34.93	27.76	00.399	1478.1							
	OBS	00700	03.94	34.93	27.76		1478.1							
	OBS	00750	03.83	34.91	27.75		1478.4							
	STD	00800	03.71	34.90	27.76	00.441	1478.7							
	OBS	00801	03.71	34.90	27.76		1478.7							
	OBS	00850	03.62	34.89	27.76		1479.2							
	STD	00900	03.62	34.90	27.77	00.483	1480.0							
	OBS	00904	03.62	34.90	27.77		1480.1							
	OBS	00951	03.62	34.90	27.77		1480.5							
	STD	01000	03.60	34.91	27.78	00.525	1481.6							
	OBS	01001	03.60	34.91	27.78		1481.6							
	OBS	01050	03.42	34.88	27.77		1481.7							

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NODC STATION DATA

REFID 51 8463	YEAR 1975	BOTOP 01759	AIR TEMP 04.8	DIR HGT PER	WIND-DIR 22	INST STO RECORDER	TEN SO 1306
CONSEC 001A	MONTH 05	SHIP EV	WET BULB 03.8	20 2 5	WIND-SPD 16	TRACE CIR 0	5 SQUARE 2
LAT 44 49.0N	DAY 27	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 37.5W	HOUR 14.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 795 12	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STO	00000	01.92	33.33	26.66	00.000	1455.6							
14.1	OBS	00001	01.92	33.33	26.66		1455.7							
	STO	00010	01.95	33.32	26.65	00.014	1455.9							
	OBS	00011	01.95	33.32	26.65		1455.9							
	STO	00020	01.96	33.34	26.67	00.028	1456.1							
	OBS	00020	01.96	33.34	26.67		1456.2							
	STO	00030	01.98	33.34	26.67	00.042	1456.4							
	OBS	00030	01.98	33.34	26.67		1456.4							
	STO	00050	01.90	33.52	26.82	00.068	1456.6							
	OBS	00051	01.89	33.54	26.83		1456.6							
	STO	00075	01.49	33.95	27.19	00.094	1455.8							
	OBS	00078	01.47	33.99	27.22		1455.8							
	STO	00100	01.54	34.14	27.34	00.115	1456.7							
	OBS	00102	01.55	34.16	27.35		1456.8							
	STO	00125	01.68	34.31	27.46	00.132	1457.9							
	OBS	00125	01.68	34.31	27.47		1458.0							
	STO	00150	01.84	34.34	27.48	00.148	1459.1							
	OBS	00150	01.84	34.34	27.48		1459.1							
	OBS	00175	02.15	34.42	27.52		1461.0							
	STO	00200	02.28	34.46	27.54	00.177	1462.1							
	OBS	00203	02.31	34.47	27.54		1462.2							
	OBS	00226	02.51	34.52	27.57		1463.6							
	STO	00250	02.48	34.56	27.60	00.204	1463.9							
	OBS	00251	02.48	34.56	27.60		1463.9							
	OBS	00276	02.53	34.58	27.61		1464.6							
	STO	00300	02.51	34.58	27.62	00.230	1464.9							
	OBS	00300	02.51	34.59	27.62		1464.9							
	OBS	00314	03.51	34.80	27.66		1471.4							
	OBS	00350	03.94	34.82	27.67		1472.1							
	STO	00400	03.98	34.84	27.68	00.278	1473.1							
	OBS	00401	03.96	34.84	27.68		1473.1							
	OBS	00451	04.02	34.87	27.70		1474.2							
	STO	00500	03.99	34.87	27.71	00.323	1474.9							
	OBS	00500	03.99	34.87	27.71		1474.9							
	OBS	00550	04.01	34.89	27.72		1475.8							
	STO	00600	03.98	34.90	27.73	00.367	1476.5							
	OBS	00605	03.97	34.90	27.73		1476.6							
	OBS	00651	03.81	34.88	27.73		1476.6							
	STO	00700	03.62	34.86	27.74	00.410	1476.6							
	OBS	00704	03.62	34.86	27.74		1476.7							
	OBS	00750	03.74	34.89	27.75		1478.0							
	STO	00800	03.67	34.88	27.75	00.453	1478.5							
	OBS	00801	03.67	34.88	27.75		1478.6							
	OBS	00852	03.56	34.87	27.75		1478.9							
	STO	00900	03.53	34.88	27.76	00.496	1479.6							
	OBS	00900	03.53	34.88	27.76		1479.6							
	OBS	00951	03.49	34.88	27.76		1480.3							
	STO	01000	03.47	34.88	27.77	00.538	1481.0							
	OBS	01003	03.47	34.88	27.77		1481.1							
	OBS	01050	03.46	34.86	27.77		1481.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 01829	AIR TEMP 03.8	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SO 1306
CONSEC 0017	MONTH 05	SHIP EV	WET BULB 03.1	21 2 3	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 44 49.5N	DAY 27	DATA USE 1	BAROMETR 1017.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 50.5W	HOUR 16.1	AREA 05	CLOUD T/A	CL/TA	WEATHER X2	ORIG 011 796 12	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT-P	NO2	NO3	SIO3	PH
	STD	00000	00.45	32.93	26.44	00.000	1448.5							
16.1	OBS	00003	00.45	32.93	26.44		1448.5							
	STD	00010	00.43	32.92	26.43	00.016	1448.5							
	OBS	00011	00.42	32.52	26.43		1448.5							
	STD	00020	00.36	32.93	26.44	00.032	1448.4							
	OBS	00020	00.36	32.93	26.44		1448.4							
	STD	00030	00.32	32.95	26.46	00.048	1448.4							
	OBS	00030	00.32	32.95	26.46		1448.4							
	STD	00050	00.29	32.97	26.47	00.079	1448.6							
	OBS	00051	00.25	32.98	26.49		1448.5							
	OBS	00053	00.19	33.00	26.51		1448.3							
	OBS	00057	- 0.23	33.06	26.57		1446.5							
	OBS	00068	- 1.15	33.14	26.67		1442.5							
	OBS	00070	- 1.18	33.23	26.75		1442.5							
	STD	00075	- 1.12	33.26	26.77	00.115	1442.5							
	OBS	00076	- 1.10	33.27	26.78		1443.0							
	STD	00100	- 0.73	33.43	26.90	00.146	1445.4							
	OBS	00100	- 0.71	33.44	26.90		1445.5							
	STD	00125	- 0.09	33.64	27.04	00.173	1445.1							
	OBS	00127	- 0.03	33.66	27.05		1449.4							
	STD	00150	00.45	33.80	27.14	00.197	1452.1							
	OBS	00154	00.51	33.82	27.15		1452.5							
	OBS	00175	00.70	33.87	27.18		1453.8							
	STD	00200	00.55	33.95	27.23	00.242	1455.5							
	OBS	00201	00.57	33.96	27.23		1455.6							
	OBS	00228	01.18	34.07	27.31		1457.1							
	OBS	00241	01.25	34.12	27.34		1457.7							
	STD	00250	01.65	34.32	27.47	00.279	1459.5							
	OBS	00251	01.70	34.34	27.49		1460.2							
	OBS	00276	02.00	34.41	27.52		1462.0							
	STD	00300	02.11	34.46	27.55	00.305	1462.9							
	OBS	00300	02.11	34.46	27.55		1463.0							
	OBS	00352	02.11	34.47	27.56		1463.8							
	STD	00400	02.19	34.50	27.58	00.364	1465.0							
	OBS	00403	02.20	34.50	27.58		1465.1							
	OBS	00453	02.31	34.53	27.59		1466.4							
	STD	00500	02.70	34.64	27.65	00.415	1465.1							
	OBS	00502	02.72	34.65	27.65		1469.2							
	OBS	00552	03.20	34.76	27.70		1472.2							
	STD	00600	03.48	34.81	27.71	00.461	1474.3							
	OBS	00603	03.49	34.81	27.71		1474.4							
	OBS	00652	03.54	34.83	27.72		1475.5							
	STD	00700	03.54	34.85	27.74	00.505	1476.3							
	OBS	00700	03.54	34.85	27.74		1476.3							
	OBS	00750	03.54	34.85	27.74		1477.1							
	STD	00800	03.53	34.86	27.74	00.548	1477.9							
	OBS	00801	03.53	34.86	27.74		1477.9							
	OBS	00850	03.51	34.86	27.75		1478.7							
	STD	00900	03.47	34.86	27.75	00.591	1479.3							
	OBS	00902	03.47	34.86	27.75		1479.4							
	OBS	00951	03.44	34.86	27.75		1480.1							
	STD	01000	03.42	34.87	27.76	00.634	1480.6							
	OBS	01005	03.42	34.87	27.76		1480.9							
	OBS	01048	03.42	34.87	27.76		1481.6							

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REFID 31 8463	YEAR 1975	BOTOP 00178	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SO 1306
CONSEC 0018	MONTH 05	SHIP EV	WET BULB 03.8	21 2 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 44 51.5N	DAY 27	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 05.0W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TA	WEATHER A1	ORIG 011 797 11	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT-P	NO2	NO3	SIO3	PH
	STD	00000	00.91	32.88	26.37	00.000	1450.5							
18.1	OBS	00003	00.91	32.88	26.37		1450.6							
	OBS	00007	00.88	32.87	26.36		1450.5							
	STD	00010	00.84	32.88	26.38	00.017	1450.4							
	OBS	00011	00.82	32.89	26.38		1450.3							
	STD	00020	00.66	32.88	26.38	00.033	1449.8							
	OBS	00020	00.67	32.88	26.38		1449.8							
	STD	00030	00.62	32.89	26.39	00.050	1449.7							
	OBS	00030	00.62	32.89	26.40		1449.7							
	OBS	00038	00.55	32.86	26.39		1449.5							
	OBS	00045	00.34	32.91	26.43		1448.7							
	STD	00050	00.07	32.94	26.46	00.082	1447.6							
	OBS	00053	- 0.10	32.96	26.49		1446.9							
	STD	00075	- 0.48	33.03	26.56	00.120	1445.6							
	OBS	00076	- 0.49	33.03	26.56		1445.5							
	STD	00100	- 0.54	33.10	26.62	00.156	1445.8							
	OBS	00102	- 0.56	33.11	26.63		1445.8							
	STD	00125	- 0.87	33.17	26.69	00.191	1444.8							
	OBS	00125	- 0.88	33.17	26.69		1444.7							
	OBS	00140	- 1.10	33.20	26.72		1444.0							
	STD	00150	- 0.98	33.32	26.81	00.224	1444.9							
	OBS	00150	- 0.97	33.32	26.81		1444.9							
	OBS	00175	- 0.74	33.40	26.87		1446.5							
	OBS	00177	- 0.74	33.41	26.88		1446.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

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REFIC  31  8463    YEAR 1975    BOTOP 00085    AIR TEMP  05.0    DIR HGT PER    WIND-DIR 18    INST STD RECORDER       TEN SQ 1306
CONSEC   0019      MONTH 05     SHIP EV        WET BULB  04.2    17  2   2      WIND-SPD 14    TRACE DIR        C      5 SQUARE  2
LAT   44 53.5N     DAY   27     DATA USE  1    BAROMETR 1016.9   SEA            WIND-FOR       DURATION      00.1     2 SQUARE 48
LONG  049 15.0W    HOUR 19.3    AREA     05    CLOUD T/A         CL/TR          WEATHER  X2    ORIG 011 758   15      1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.14	32.92	26.39	00.000	1451.6							
19.3	OBS	00000	01.14	32.92	26.39		1451.6							
	STO	00010	00.90	32.92	26.40	00.016	1450.7							
	OBS	00010	00.90	32.92	26.40		1450.7							
	STO	00020	00.90	32.93	26.41	00.033	1450.8							
	OBS	00020	00.90	32.93	26.41		1450.8							
	STO	00030	00.85	32.93	26.41	00.049	1450.8							
	OBS	00030	00.85	32.93	26.41		1450.8							
	STO	00050	00.75	32.93	26.42	00.081	1450.7							
	OBS	00050	00.75	32.93	26.42		1450.7							
	OBS	00065	00.20	32.97	26.48		1448.5							

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REFIO  31  8463    YEAR 1975    BOTOP 00060    AIR TEMP  04.0    DIR HGT PER    WIND-DIR 14    INST STD RECORDER       TEN SQ 1306
CONSEC   0020      MONTH 05     SHIP EV        WET BULB  03.7    25  3   4      WIND-SPD 11    TRACE DIR        0      5 SQUARE  2
LAT   44 33.5N     DAY   27     DATA USE  1    BAROMETR 1016.0   SEA            WIND-FOR       DURATION      00.0     2 SQUARE 48
LONG  049 12.3W    HOUR 21.5    AREA     05    CLOUD T/A         CL/TR          WEATHER  X5    ORIG 011 759   10      1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.13	32.85	26.33	00.000	1451.4							
21.5	OBS	00001	01.13	32.85	26.33		1451.5							
	OBS	00005	01.02	32.84	26.33		1451.0							
	STO	00010	00.97	32.85	26.34	00.017	1450.9							
	OBS	00011	00.96	32.85	26.34		1450.9							
	STO	00020	00.95	32.85	26.34	00.034	1451.0							
	OBS	00020	00.95	32.85	26.34		1451.0							
	STO	00030	00.87	32.86	26.36	00.051	1450.8							
	OBS	00030	00.86	32.86	26.36		1450.7							
	OBS	00047	00.00	32.94	26.47		1447.2							
	STO	00050	-0.04	32.95	26.48	00.083	1447.1							
	OBS	00051	-0.05	32.96	26.49		1447.1							

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REFIO  31  8463    YEAR 1975    BOTOP 00053    AIR TEMP  04.1    DIR HGT PER    WIND-DIR 14    INST STD RECORDER       TEN SQ 1306
CONSEC   0021      MONTH 05     SHIP EV        WET BULB  03.8    99  A   A      WIND-SPD 16    TRACE DIR        0      5 SQUARE  2
LAT   44 20.5N     DAY   27     DATA USE  1    BAROMETR 1015.9   SEA            WIND-FOR       DURATION      00.0     2 SQUARE 48
LONG  049 14.5W    HOUR 23.2    AREA     05    CLOUD T/A         CL/TR          WEATHER  X6    ORIG 011 800           1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.16	32.83	26.32	00.000	1451.6							
23.2	OBS	00001	01.16	32.83	26.32		1451.6							
	STO	00010	01.08	32.81	26.31	00.017	1451.3							
	OBS	00011	01.05	32.81	26.31		1451.2							
	STO	00020	00.78	32.81	26.32	00.034	1450.1							
	OBS	00020	00.75	32.81	26.32		1450.0							
	STO	00030	00.42	32.87	26.39	00.051	1448.8							
	OBS	00032	00.36	32.88	26.40		1448.6							
	OBS	00040	00.36	32.89	26.41		1448.7							
	OBS	00043	00.36	32.89	26.41		1448.7							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

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REFID  31  8463      YEAR 1975    BOTOP 00422    AIR TEMP    03.9    DIR HGT PER    WIND-DIR 12    INST STD RECORDER          TEN SQ 1306
CONSEC     0022      MONTH 05      SHIP EV        WET BULB    03.9    12   2   3     WIND-SPD 20    TRACE DIR         0       5 SQUARE  2
LAT    44 06.0N     DAY    28      DATA USE  1    BARCMETR 1012.5    SEA             WIND-FOR       DURATION        00.2      2 SQUARE 48
LONG  049 13.2W     HOUR 02.0      AREA      05    CLOUD T/A          CL/TR           WEATHER  A6    OR PB 011 B01             1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.84	32.84	26.34	00.000	1450.1							
02.0	OBS	00001	00.84	32.84	26.34		1450.2							
	OBS	00003	00.86	32.83	26.33		1450.3							
	STD	00010	00.85	32.84	26.34	00.017	1450.3							
	OBS	00011	00.83	32.84	26.34		1450.3							
	STD	00020	00.62	32.84	26.36	00.034	1449.4							
	OBS	00020	00.59	32.84	26.36		1449.3							
	STD	00030	00.29	32.90	26.42	00.050	1448.2							
	OBS	00030	00.28	32.50	26.42		1448.1							
	OBS	00036	- 0.15	32.95	26.48		1446.4							
	STD	00050	- 0.35	33.01	26.54	00.082	1445.7							
	OBS	00051	- 0.36	33.01	26.54		1445.7							
	STD	00075	- 0.40	33.04	26.56	00.119	1445.9							
	OBS	00076	- 0.41	33.04	26.57		1445.9							
	STD	00100	- 0.70	33.14	26.65	00.155	1445.1							
	OBS	00100	- 0.70	33.14	26.66		1445.1							
	STD	00125	- 0.61	33.23	26.72	00.185	1446.1							
	OBS	00125	- 0.61	33.23	26.73		1446.1							
	OBS	00144	- 0.84	33.34	26.82		1445.5							
	STD	00150	- 0.81	33.35	26.83	00.220	1445.7							
	OBS	00152	- 0.80	33.36	26.84		1445.8							
	OBS	00177	- 0.56	33.46	26.91		1447.5							
	STD	00200	- 0.25	33.58	27.00	00.277	1449.5							
	OBS	00201	- 0.23	33.59	27.00		1449.6							
	OBS	00226	00.02	33.64	27.03		1451.2							
	STD	00250	00.32	33.77	27.12	00.328	1453.2							
	OBS	00251	00.34	33.78	27.13		1453.3							
	OBS	00276	00.88	33.96	27.24		1456.4							
	STD	00300	01.42	34.13	27.34	00.370	1459.4							
	OBS	00304	01.60	34.22	27.40		1460.4							
	OBS	00312	01.96	34.41	27.52		1462.4							
	OBS	00316	02.34	34.45	27.53		1464.4							
	OBS	00333	02.53	34.53	27.57		1465.4							
	OBS	00336	03.04	34.66	27.63		1467.4							
	OBS	00350	03.10	34.70	27.66		1468.4							
	OBS	00390	03.28	34.74	27.67		1469.9							

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REFID  31  8463      YEAR 1975    BOTOP 00104    AIR TEMP    05.5    DIR HGT PER    WIND-DIR 08    INST STD RECORDER          TEN SQ 1306
CONSEC     0023      MONTH 05      SHIP EV        WET BULB    05.5    08   1   2     WIND-SPD 22    TRACE DIR         0       5 SQUARE  2
LAT    44 05.0N     DAY    28      DATA USE  1    BARCMETR 1010.8    SEA             WIND-FOR       DURATION        00.1      2 SQUARE 48
LONG  049 05.0W     HOUR 03.3      AREA      05    CLOUD T/A          CL/TR           WEATHER  A6    OR LG 011 B02             1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.84	32.82	26.33	00.000	1450.1							
03.3	OBS	00007	00.84	32.82	26.33		1450.2							
	STD	00010	00.84	32.82	26.33	00.017	1450.3							
	OBS	00011	00.84	32.82	26.33		1450.3							
	STD	00020	00.79	32.82	26.33	00.034	1450.2							
	OBS	00020	00.79	32.82	26.33		1450.2							
	OBS	00024	00.81	32.81	26.32		1450.4							
	STD	00030	00.74	32.84	26.35	00.051	1450.2							
	OBS	00030	00.73	32.84	26.35		1450.1							
	OBS	00047	- 0.23	32.93	26.47		1446.1							
	STD	00050	- 0.30	32.96	26.50	00.083	1445.9							
	OBS	00051	- 0.34	32.98	26.51		1445.8							
	STD	00075	- 0.94	33.17	26.69	00.120	1443.6							
	OBS	00076	- 0.55	33.18	26.70		1443.6							
	OBS	00097	- 0.86	33.33	26.82		1444.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| ASFID 31 B463 | YEAR 1575 | BOTDP 01432 | AIR TEMP 05.4 | DIR HGT PER | WIND-DIR 14 | INST STD RECORDER | TEN SC 1506 |
|---|---|---|---|---|---|---|---|
| CONSEC 0024 | MONTH 05 | SHIP EV | WET BULB 05.4 | 14 2 3 | *INO-SPO 18 | TRACE GIR C | 5 SQUARE 2 |
| LAT 44 05.5N | DAY 28 | DATA USE 1 | BARCMETR 1009.2 | SEA | WIND-FOR | DURATION 00.3 | 2 SQUARE 48 |
| LONG 048 52.0W | HOUR 04.8 | AREA 05 | CLOUD 7/A | CL/TR | WEATHER A6 | DATG 011 603 | 1 SQUARE 46 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | DAYG | PO4 | TOT P | AO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | C0000 | 00.93 | 32.82 | 26.52 | 00.000 | 1450.5 | | | | | | | |
| 04.8 | DBS | 00001 | 00.93 | 32.82 | 26.32 | | 1450.5 | | | | | | | |
| | STD | 00010 | 00.91 | 32.82 | 26.33 | 00.017 | 1450.6 | | | | | | | |
| | DBS | 00011 | 00.89 | 32.83 | 26.33 | | 1450.5 | | | | | | | |
| | STD | 00020 | 00.66 | 32.90 | 26.40 | 00.034 | 1449.7 | | | | | | | |
| | DBS | 00020 | 00.64 | 32.91 | 26.41 | | 1449.7 | | | | | | | |
| | STD | 00030 | 00.52 | 32.96 | 26.46 | 00.050 | 1449.3 | | | | | | | |
| | DBS | C0030 | 00.51 | 32.96 | 26.46 | | 1449.3 | | | | | | | |
| | DBS | 00045 | - 0.02 | 32.91 | 26.44 | | 1447.0 | | | | | | | |
| | DBS | 00049 | - 1.11 | 33.05 | 26.58 | | 1442.2 | | | | | | | |
| | STD | 00050 | - 1.14 | 33.05 | 26.60 | 00.080 | 1442.1 | | | | | | | |
| | CBS | 00051 | - 1.22 | 33.11 | 26.65 | | 1441.8 | | | | | | | |
| | DBS | 00062 | - 1.45 | 33.22 | 26.75 | | 1441.1 | | | | | | | |
| | STD | 00075 | - 1.33 | 33.28 | 26.75 | 00.114 | 1441.5 | | | | | | | |
| | DBS | 0D076 | - 1.32 | 33.28 | 26.79 | | 1442.0 | | | | | | | |
| | STD | 00100 | - 1.01 | 33.38 | 26.86 | 00.145 | 1444.0 | | | | | | | |
| | DBS | 00100 | - 1.00 | 33.38 | 26.86 | | 1444.1 | | | | | | | |
| | STD | 00125 | - 0.59 | 33.48 | 26.93 | 00.174 | 1446.5 | | | | | | | |
| | DBS | 00125 | - 0.58 | 33.48 | 26.93 | | 1446.6 | | | | | | | |
| | STD | 00150 | - 0.23 | 33.58 | 26.99 | 00.201 | 1448.8 | | | | | | | |
| | DBS | 00150 | - 0.22 | 33.58 | 26.99 | | 1448.8 | | | | | | | |
| | DBS | 00175 | 00.21 | 33.72 | 27.08 | | 1451.4 | | | | | | | |
| | STD | 00200 | 00.61 | 33.86 | 27.18 | 00.251 | 1453.8 | | | | | | | |
| | DBS | 00203 | 00.67 | 33.89 | 27.20 | | 1454.2 | | | | | | | |
| | DBS | 00228 | 01.14 | 34.11 | 27.34 | | 1457.0 | | | | | | | |
| | STD | 00250 | 01.57 | 34.26 | 27.44 | 00.290 | 1459.5 | | | | | | | |
| | DBS | 00251 | 01.59 | 34.27 | 27.44 | | 1459.6 | | | | | | | |
| | DBS | 00276 | 01.77 | 34.53 | 27.47 | | 1460.9 | | | | | | | |
| | STD | 00300 | 02.00 | 34.41 | 27.52 | 00.321 | 1462.4 | | | | | | | |
| | DBS | 00302 | 02.02 | 34.42 | 27.53 | | 1462.5 | | | | | | | |
| | DBS | 00350 | 02.42 | 34.54 | 27.59 | | 1465.2 | | | | | | | |
| | DBS | 00382 | 03.01 | 34.70 | 27.67 | | 1468.5 | | | | | | | |
| | STD | 00400 | 03.09 | 34.72 | 27.67 | 00.373 | 1469.2 | | | | | | | |
| | DBS | 00403 | 03.10 | 34.72 | 27.67 | | 1469.3 | | | | | | | |
| | DBS | 00451 | 03.28 | 34.75 | 27.68 | | 1470.9 | | | | | | | |
| | STD | C0500 | 03.36 | 34.77 | 27.69 | 00.419 | 1472.1 | | | | | | | |
| | DBS | 00502 | 03.36 | 34.77 | 27.69 | | 1472.1 | | | | | | | |
| | DBS | C0550 | 03.36 | 34.78 | 27.70 | | 1472.9 | | | | | | | |
| | STD | 00600 | 03.47 | 34.82 | 27.72 | 00.463 | 1474.3 | | | | | | | |
| | DBS | 00601 | 03.47 | 34.82 | 27.72 | | 1474.3 | | | | | | | |
| | DBS | 00652 | 03.53 | 34.83 | 27.72 | | 1475.4 | | | | | | | |
| | STD | 00700 | 03.54 | 34.84 | 27.73 | 00.507 | 1476.3 | | | | | | | |
| | DBS | 00700 | 03.54 | 34.84 | 27.73 | | 1476.3 | | | | | | | |
| | DBS | 00750 | 03.56 | 34.85 | 27.73 | | 1477.2 | | | | | | | |
| | STD | 00800 | 03.56 | 34.85 | 27.73 | 00.551 | 1478.0 | | | | | | | |
| | DBS | 00801 | 03.56 | 34.85 | 27.73 | | 1478.0 | | | | | | | |
| | DBS | 00852 | 03.56 | 34.86 | 27.74 | | 1478.9 | | | | | | | |
| | STD | 00900 | 03.54 | 34.86 | 27.74 | 00.595 | 1479.6 | | | | | | | |
| | DBS | 00904 | 03.54 | 34.86 | 27.74 | | 1479.7 | | | | | | | |
| | DBS | 00951 | 03.53 | 34.87 | 27.75 | | 1480.4 | | | | | | | |
| | STD | 01000 | 03.51 | 34.87 | 27.75 | 00.639 | 1481.2 | | | | | | | |
| | DBS | 01003 | 03.51 | 34.87 | 27.75 | | 1481.2 | | | | | | | |
| | DBS | 01005 | 03.51 | 34.86 | 27.75 | | 1481.2 | | | | | | | |

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| PSFIO 31 8463 | YEAR 1975 | BOTOP 01458 | AIR TEMP 03.6 | DIR HGT PER | WIND-DIR 21 | INST STC RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0025 | MONTH 05 | SHIP EV | WET BULB 03.6 | 21 2 2 | WIND-SPD 12 | TRACE DIR 0 | S SQUARE 2 |
| LAT 44 05.0N | DAY 28 | DATA USE 1 | BAROMETR 1009.0 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 48 |
| LONG 048 59.0W | HOUR 06.7 | AREA 05 | CLOUD 7/A | CL/7R | WEATHER X4 | ORIG 011 804 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 01.86 | 33.14 | 26.52 | 00.000 | 1455.1 | | | | | | | |
| 06.7 | OBS | 00003 | 01.86 | 33.14 | 26.52 | | 1455.2 | | | | | | | |
| | STD | 00010 | 01.84 | 33.15 | 26.52 | 00.015 | 1455.2 | | | | | | | |
| | OBS | 00011 | 01.84 | 33.15 | 26.53 | | 1455.2 | | | | | | | |
| | STD | 00020 | 01.83 | 33.17 | 26.54 | 00.030 | 1455.3 | | | | | | | |
| | OBS | 00020 | 01.83 | 53.17 | 26.54 | | 1455.3 | | | | | | | |
| | STD | 00030 | 01.82 | 33.26 | 26.61 | 00.045 | 1455.6 | | | | | | | |
| | OBS | 00030 | 01.82 | 33.26 | 26.61 | | 1455.6 | | | | | | | |
| | OBS | 00036 | 01.59 | 33.28 | 26.65 | | 1454.7 | | | | | | | |
| | STD | 00050 | 01.50 | 33.50 | 26.83 | 00.072 | 1454.8 | | | | | | | |
| | OBS | 00051 | 01.49 | 33.51 | 26.84 | | 1454.8 | | | | | | | |
| | OBS | 00057 | 01.56 | 33.54 | 26.86 | | 1455.3 | | | | | | | |
| | OBS | 00068 | 00.72 | 33.56 | 26.93 | | 1451.7 | | | | | | | |
| | OBS | 00070 | 00.89 | 33.59 | 26.94 | | 1452.5 | | | | | | | |
| | STD | 00075 | 00.82 | 33.60 | 26.95 | 00.101 | 1452.3 | | | | | | | |
| | OBS | 00076 | 00.81 | 33.60 | 26.95 | | 1452.3 | | | | | | | |
| | STD | 00100 | 00.99 | 33.77 | 27.08 | 00.127 | 1453.7 | | | | | | | |
| | OBS | 00100 | 00.99 | 33.78 | 27.09 | | 1453.8 | | | | | | | |
| | OBS | 00108 | 00.98 | 33.91 | 27.19 | | 1454.0 | | | | | | | |
| | OBS | 00118 | 01.66 | 34.14 | 27.33 | | 1457.5 | | | | | | | |
| | OBS | 00121 | 02.55 | 34.20 | 27.31 | | 1461.6 | | | | | | | |
| | OBS | 00123 | 02.76 | 34.23 | 27.31 | | 1462.6 | | | | | | | |
| | STD | 00125 | 02.78 | 34.24 | 27.32 | 00.149 | 1462.7 | | | | | | | |
| | OBS | 00125 | 02.79 | 34.24 | 27.32 | | 1462.7 | | | | | | | |
| | STD | 00150 | 03.00 | 34.33 | 27.37 | 00.168 | 1464.2 | | | | | | | |
| | OBS | 00150 | 03.01 | 34.33 | 27.37 | | 1464.2 | | | | | | | |
| | OBS | 00169 | 03.32 | 34.43 | 27.42 | | 1466.0 | | | | | | | |
| | OBS | 00177 | 03.28 | 34.46 | 27.45 | | 1466.0 | | | | | | | |
| | STD | 00200 | 03.49 | 34.54 | 27.50 | 00.202 | 1467.4 | | | | | | | |
| | OBS | 00201 | 03.51 | 34.55 | 27.50 | | 1467.5 | | | | | | | |
| | OBS | 00226 | 03.81 | 34.63 | 27.53 | | 1469.3 | | | | | | | |
| | OBS | 00241 | 04.15 | 34.71 | 27.56 | | 1471.1 | | | | | | | |
| | STD | 00250 | 04.07 | 34.70 | 27.56 | 00.231 | 1470.9 | | | | | | | |
| | OBS | 00251 | 04.06 | 34.70 | 27.56 | | 1470.8 | | | | | | | |
| | OBS | 00276 | 04.05 | 34.76 | 27.61 | | 1471.3 | | | | | | | |
| | STD | 00300 | 04.39 | 34.82 | 27.62 | 00.258 | 1473.2 | | | | | | | |
| | OBS | 00300 | 04.40 | 34.82 | 27.62 | | 1473.2 | | | | | | | |
| | OBS | 00352 | 04.46 | 34.87 | 27.65 | | 1474.4 | | | | | | | |
| | STD | 00400 | 04.54 | 34.92 | 27.68 | 00.306 | 1475.6 | | | | | | | |
| | OBS | 00403 | 04.55 | 34.92 | 27.68 | | 1475.7 | | | | | | | |
| | OBS | 00451 | 04.05 | 34.84 | 27.68 | | 1474.3 | | | | | | | |
| | STD | 00500 | 04.15 | 34.90 | 27.71 | 00.352 | 1475.6 | | | | | | | |
| | OBS | 00500 | 04.15 | 34.90 | 27.71 | | 1475.6 | | | | | | | |
| | OBS | 00552 | 04.08 | 34.90 | 27.72 | | 1476.2 | | | | | | | |
| | STD | 00600 | 04.03 | 34.91 | 27.73 | 00.395 | 1476.8 | | | | | | | |
| | OBS | 00603 | 04.03 | 34.91 | 27.73 | | 1476.8 | | | | | | | |
| | OBS | 00652 | 03.97 | 34.91 | 27.74 | | 1477.4 | | | | | | | |
| | STD | 00700 | 03.96 | 34.93 | 27.76 | 00.438 | 1478.2 | | | | | | | |
| | OBS | 00700 | 03.96 | 34.93 | 27.76 | | 1478.2 | | | | | | | |
| | OBS | 00750 | 03.94 | 34.92 | 27.75 | | 1478.9 | | | | | | | |
| | STD | 00800 | 03.83 | 34.91 | 27.75 | 00.480 | 1479.3 | | | | | | | |
| | OBS | 00801 | 03.83 | 34.91 | 27.75 | | 1479.3 | | | | | | | |
| | OBS | 00850 | 03.81 | 34.91 | 27.76 | | 1480.0 | | | | | | | |
| | STD | 00900 | 03.72 | 34.91 | 27.76 | 00.523 | 1480.4 | | | | | | | |
| | OBS | 00900 | 03.72 | 34.91 | 27.77 | | 1480.5 | | | | | | | |
| | OBS | 00951 | 03.65 | 34.91 | 27.77 | | 1481.0 | | | | | | | |
| | STD | 01000 | 03.65 | 34.91 | 27.77 | 00.565 | 1481.8 | | | | | | | |
| | OBS | 01001 | 03.65 | 34.91 | 27.77 | | 1481.8 | | | | | | | |
| | OBS | 01048 | 03.63 | 34.91 | 27.77 | | 1482.5 | | | | | | | |

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID 31 8463 | YEAR 1975 | BOTOP 03175 | AIR TEMP 04.7 | DIR HGT PER | WIND-DIR 25 | INST STO RECORDER | TEN SO 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0028 | MONTH 05 | SHIP EV | WET BULB 04.6 | 25  2  3 | WIND-SPD 17 | TRACE DIR      0 | 5 SQUARE  2 |
| LAT  44 04.7N | DAY  28 | DATA USE  1 | BAROMETR 1010.1 | SEA | WIND-FOR | DURATION     00.4 | 2 SQUARE 48 |
| LONG  048 24.2W | HOUR 08.7 | AREA     05 | CLOUD 7/4 | CL/TR | WEATHER A4 | ORIG 011 805 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | C0000 | 03.69 | 33.23 | 26.43 | 00.000 | 1463.2 | | | | | | | |
| 08.7 | OBS | 00001 | 03.69 | 33.23 | 26.43 | | 1463.2 | | | | | | | |
| | STO | C0010 | 03.60 | 33.23 | 26.44 | 00.016 | 1462.9 | | | | | | | |
| | OBS | 00011 | 03.56 | 33.22 | 26.44 | | 1462.8 | | | | | | | |
| | OBS | 00015 | 03.42 | 33.20 | 26.43 | | 1462.2 | | | | | | | |
| | STO | 00020 | 03.11 | 33.22 | 26.48 | 00.032 | 1461.0 | | | | | | | |
| | OBS | 00020 | 03.07 | 33.22 | 26.48 | | 1460.8 | | | | | | | |
| | STO | 00030 | 02.92 | 33.23 | 26.50 | 00.047 | 1460.4 | | | | | | | |
| | OBS | 00030 | 02.50 | 33.23 | 26.51 | | 1460.3 | | | | | | | |
| | OBS | 00043 | 01.65 | 33.33 | 26.68 | | 1455.1 | | | | | | | |
| | OBS | 00045 | 00.82 | 33.34 | 26.75 | | 1451.5 | | | | | | | |
| | OBS | 00049 | 00.25 | 33.42 | 26.84 | | 1449.1 | | | | | | | |
| | STO | 00050 | 00.18 | 33.42 | 26.84 | 00.075 | 1448.8 | | | | | | | |
| | OBS | 00053 | - 0.19 | 33.42 | 26.86 | | 1447.1 | | | | | | | |
| | OBS | 00057 | - 0.45 | 33.51 | 26.95 | | 1446.1 | | | | | | | |
| | OBS | 00062 | - 0.18 | 33.60 | 27.01 | | 1447.6 | | | | | | | |
| | OBS | 00064 | 00.24 | 33.68 | 27.05 | | 1449.6 | | | | | | | |
| | STO | 00075 | 00.38 | 33.79 | 27.14 | 00.102 | 1450.6 | | | | | | | |
| | OBS | 00076 | 00.40 | 33.82 | 27.15 | | 1450.7 | | | | | | | |
| | OBS | 00078 | 01.00 | 33.87 | 27.16 | | 1453.5 | | | | | | | |
| | OBS | 00085 | 01.05 | 33.98 | 27.24 | | 1454.1 | | | | | | | |
| | OBS | 00089 | 01.90 | 34.08 | 27.26 | | 1458.0 | | | | | | | |
| | OBS | 00093 | 03.06 | 34.19 | 27.26 | | 1463.3 | | | | | | | |
| | STO | 00100 | 03.70 | 34.27 | 27.26 | 00.124 | 1466.3 | | | | | | | |
| | OBS | 00102 | 03.73 | 34.30 | 27.28 | | 1466.5 | | | | | | | |
| | OBS | 00104 | 03.67 | 34.28 | 27.27 | | 1466.2 | | | | | | | |
| | OBS | 00108 | 03.08 | 34.22 | 27.28 | | 1463.7 | | | | | | | |
| | OBS | C0110 | 02.76 | 34.17 | 27.27 | | 1462.3 | | | | | | | |
| | STO | 00125 | 03.32 | 34.37 | 27.37 | 00.143 | 1465.2 | | | | | | | |
| | OBS | 00125 | 03.33 | 34.37 | 27.37 | | 1465.2 | | | | | | | |
| | OBS | 00140 | 03.24 | 34.38 | 27.39 | | 1465.1 | | | | | | | |
| | OBS | 00144 | 03.67 | 34.46 | 27.41 | | 1467.1 | | | | | | | |
| | OBS | 00148 | 03.02 | 34.38 | 27.41 | | 1464.3 | | | | | | | |
| | STO | 00150 | 02.93 | 34.37 | 27.41 | 00.161 | 1463.9 | | | | | | | |
| | OBS | 00150 | 02.91 | 34.37 | 27.41 | | 1463.8 | | | | | | | |
| | OBS | 00175 | 02.55 | 34.40 | 27.47 | | 1462.7 | | | | | | | |
| | OBS | 00150 | 02.74 | 34.45 | 27.49 | | 1463.9 | | | | | | | |
| | OBS | 00198 | 02.96 | 34.46 | 27.48 | | 1465.0 | | | | | | | |
| | STO | 00200 | 03.01 | 34.53 | 27.53 | 00.193 | 1465.3 | | | | | | | |
| | OBS | 00201 | 03.08 | 34.57 | 27.56 | | 1465.7 | | | | | | | |
| | OBS | 00207 | 03.50 | 34.59 | 27.53 • | | 1467.6 | | | | | | | |
| | OBS | 00213 | 03.51 | 34.59 | 27.53 | | 1467.7 | | | | | | | |
| | OBS | 00217 | 04.05 | 34.68 | 27.55 | | 1470.2 | | | | | | | |
| | OBS | 00226 | 03.88 | 34.63 | 27.53 | | 1469.6 | | | | | | | |
| | OBS | 00232 | 03.47 | 34.61 | 27.55 | | 1467.9 | | | | | | | |
| | OBS | 00234 | 03.45 | 34.64 | 27.58 | | 1467.9 | | | | | | | |
| | OBS | 00237 | 04.10 | 34.74 | 27.59 | | 1470.8 | | | | | | | |
| | STO | 00250 | 04.05 | 34.72 | 27.58 | 00.221 | 1470.8 | | | | | | | |
| | OBS | 00251 | 04.05 | 34.72 | 27.58 | | 1470.8 | | | | | | | |
| | OBS | 00276 | 04.23 | 34.78 | 27.61 | | 1472.1 | | | | | | | |
| | OBS | 00283 | 04.28 | 34.79 | 27.61 | | 1472.4 | | | | | | | |
| | OBS | 00287 | 04.50 | 34.84 | 27.63 | | 1473.5 | | | | | | | |
| | STO | C0300 | 04.53 | 34.83 | 27.62 | 00.247 | 1473.8 | | | | | | | |
| | OBS | 00300 | 04.53 | 34.83 | 27.62 | | 1473.8 | | | | | | | |
| | OBS | 00331 | 04.03 | 34.78 | 27.63 | | 1472.1 | | | | | | | |
| | OBS | 00335 | 04.58 | 34.87 | 27.64 | | 1474.6 | | | | | | | |
| | OBS | 00352 | 04.55 | 34.88 | 27.65 | | 1474.8 | | | | | | | |
| | OBS | 00354 | 04.39 | 34.84 | 27.64 | | 1474.1 | | | | | | | |
| | STO | 00400 | 04.45 | 34.91 | 27.68 | 00.296 | 1475.4 | | | | | | | |
| | OBS | 00401 | 04.45 | 34.91 | 27.68 | | 1475.4 | | | | | | | |
| | OBS | 00451 | 04.48 | 34.92 | 27.69 | | 1476.2 | | | | | | | |
| | STO | 00500 | 04.46 | 34.93 | 27.70 | 00.342 | 1476.9 | | | | | | | |
| | OBS | 00502 | 04.46 | 34.93 | 27.70 | | 1477.0 | | | | | | | |
| | OBS | 00550 | 04.35 | 34.94 | 27.72 | | 1477.3 | | | | | | | |
| | STO | 00600 | 04.19 | 34.93 | 27.73 | 00.387 | 1477.5 | | | | | | | |
| | OBS | 00601 | 04.19 | 34.93 | 27.73 | | 1477.5 | | | | | | | |
| | OBS | 00651 | 04.42 | 34.98 | 27.75 | | 1479.3 | | | | | | | |
| | STO | 00700 | 04.44 | 34.99 | 27.75 | 00.430 | 1480.2 | | | | | | | |
| | OBS | 00700 | 04.44 | 34.99 | 27.75 | | 1480.2 | | | | | | | |
| | OBS | 00750 | 04.19 | 34.96 | 27.76 | | 1480.0 | | | | | | | |
| | STO | C0800 | 04.22 | 34.98 | 27.77 | 00.473 | 1481.0 | | | | | | | |
| | OBS | 00803 | 04.22 | 34.98 | 27.77 | | 1481.0 | | | | | | | |
| | OBS | 00852 | 04.12 | 34.97 | 27.77 | | 1481.4 | | | | | | | |
| | STO | 00900 | 04.08 | 34.97 | 27.78 | 00.515 | 1482.0 | | | | | | | |
| | OBS | 00902 | 04.08 | 34.97 | 27.78 | | 1482.1 | | | | | | | |
| | OBS | 00953 | 04.05 | 34.97 | 27.78 | | 1482.8 | | | | | | | |
| | STO | C1000 | 03.97 | 34.97 | 27.79 | 00.557 | 1483.3 | | | | | | | |
| | OBS | 01003 | 03.97 | 34.97 | 27.79 | | 1483.3 | | | | | | | |
| | OBS | 01054 | 03.95 | 34.97 | 27.79 | | 1484.1 | | | | | | | |

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N C D C   S T A T I O N   D A T A

| FEFIO 31 8∞3 | YEAR 1975 | BCTOP 034∞ | AIR TEMP 05.6 | OIR HGT PER | WIND-DIR 25 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0327 | MONTH 05 | SHIP EV | WET BULB 05.6 | 16  2  4 | WIND-SPD 10 | TRACE DIR 0 | 9 SQUARE 2 |
| L6" 44 06.0N | DAY 28 | DATA USE 1 | BAROMETR 1010.6 | SEA | WIND-FOR | DURATION 00.5 | 2 SQUARE 48 |
| LONC 048 10.0. | HOUR 10.7 | AREA 05 | CLOUD 7/4 | CL/TR | | ORIG 011 806 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 03.45 | 33.12 | 26.37 | 00.000 | 1482.0 | | | | | | | |
| 10.7 | OBS | 00003 | 03.45 | 33.12 | 26.37 | | 1482.1 | | | | | | | |
| | STD | 00010 | 03.40 | 33.10 | 26.36 | 00.017 | 1481.9 | | | | | | | |
| | OBS | 00011 | 03.39 | 33.10 | 26.36 | | 1481.9 | | | | | | | |
| | STD | 00020 | 03.38 | 33.11 | 26.37 | 00.033 | 1482.0 | | | | | | | |
| | OBS | 00020 | 03.34 | 33.11 | 26.37 | | 1481.8 | | | | | | | |
| | OBS | 00024 | 03.08 | 33.04 | 26.34 • | | 1480.7 | | | | | | | |
| | STD | 00030 | 02.05 | 33.09 | 26.47 | 00.050 | 1456.9 | | | | | | | |
| | OBS | 00030 | 02.02 | 33.13 | 26.50 | | 1456.3 | | | | | | | |
| | OBS | 00032 | 01.99 | 33.31 | 26.64 | | 1456.4 | | | | | | | |
| | OBS | 00036 | 04.36 P | 33.49 | 26.570• | | | | | | | | | |
| | OBS | 00040 | 04.42 P | 33.56 | 26.620 | | | | | | | | | |
| | OBS | 00043 | 01.90 | 33.33 | 26.67 | | 1456.3 | | | | | | | |
| | OBS | 00049 | C1.81 | 33.45 | 26.77 | | 1456.1 | | | | | | | |
| | STD | 00050 | 01.85 | 33.47 | 26.78 | 00.078 | 1456.3 | | | | | | | |
| | OBS | 00051 | 01.95 | 33.53 | 26.82 | | 1456.9 | | | | | | | |
| | OBS | 00059 | 02.43 | 33.64 | 26.87 | | 1459.3 | | | | | | | |
| | OBS | 00060 | 02.17 | 33.63 | 26.88 | | 1458.1 | | | | | | | |
| | OBS | 00066 | 02.15 | 33.68 | 26.93 | | 1458.2 | | | | | | | |
| | OBS | 00068 | 01.84 | 33.65 | 26.93 | | 1456.8 | | | | | | | |
| | OBS | 00074 | 00.67 | 33.67 | 27.02 | | 1451.7 | | | | | | | |
| | STD | 00075 | 00.83 | 33.69 | 27.03 | 00.107 | 1452.5 | | | | | | | |
| | OBS | 00076 | 01.02 | 33.72 | 27.04 | | 1453.4 | | | | | | | |
| | OBS | 00081 | 01.23 | 33.75 | 27.05 | | 1454.5 | | | | | | | |
| | OBS | 00085 | 00.62 | 33.64 | 27.00 • | | 1451.6 | | | | | | | |
| | OBS | 00089 | 00.37 | 33.73 | 27.08 | | 1450.7 | | | | | | | |
| | OBS | 00099 | 00.80 | 33.84 | 27.15 | | 1453.0 | | | | | | | |
| | STD | 00100 | 00.99 | 33.87 | 27.16 | 00.132 | 1453.8 | | | | | | | |
| | OBS | 00100 | 01.14 | 33.90 | 27.17 | | 1454.6 | | | | | | | |
| | OBS | 00116 | 02.02 | 34.02 | 27.21 | | 1458.9 | | | | | | | |
| | STD | 00125 | 01.90 | 34.06 | 27.25 | 00.153 | 1458.6 | | | | | | | |
| | OBS | 00125 | 01.89 | 34.07 | 27.26 | | 1458.6 | | | | | | | |
| | OBS | 00129 | 02.04 | 34.12 | 27.29 | | 1459.4 | | | | | | | |
| | OBS | 00135 | 02.46 | 34.18 | 27.30 | | 1461.4 | | | | | | | |
| | OBS | 00139 | 03.10 | 34.27 | 27.32 | | 1464.3 | | | | | | | |
| | STD | 00150 | 03.52 | 34.39 | 27.37 | 00.173 | 1466.5 | | | | | | | |
| | OBS | 00150 | 03.53 | 34.39 | 27.37 | | 1466.5 | | | | | | | |
| | OBS | 00154 | 03.60 | 34.39 | 27.36 | | 1466.9 | | | | | | | |
| | OBS | 00156 | 03.24 | 34.33 | 27.35 | | 1465.3 | | | | | | | |
| | OBS | 00161 | 03.35 | 34.36 | 27.36 | | 1465.9 | | | | | | | |
| | OBS | 00165 | 03.67 | 34.42 | 27.38 | | 1467.4 | | | | | | | |
| | OBS | 00175 | 03.47 | 34.39 | 27.38 | | 1466.7 | | | | | | | |
| | OBS | 00182 | 03.01 | 34.36 | 27.40 | | 1464.8 | | | | | | | |
| | STD | 00200 | 02.85 | 34.38 | 27.42 | 00.208 | 1464.4 | | | | | | | |
| | OBS | 00203 | 02.77 | 34.38 | 27.43 | | 1464.1 | | | | | | | |
| | OBS | 00205 | 02.72 | 34.36 | 27.42 | | 1463.9 | | | | | | | |
| | OBS | 00211 | 03.01 | 34.43 | 27.45 | | 1465.4 | | | | | | | |
| | OBS | 00217 | 03.15 | 34.46 | 27.46 | | 1466.1 | | | | | | | |
| | OBS | 00222 | 02.77 | 34.41 | 27.46 | | 1464.5 | | | | | | | |
| | OBS | 00226 | 02.70 | 34.39 | 27.45 | | 1464.2 | | | | | | | |
| | OBS | 00232 | 02.86 | 34.41 | 27.45 | | 1465.0 | | | | | | | |
| | OBS | 00236 | 02.74 | 34.44 | 27.48 | | 1464.6 | | | | | | | |
| | OBS | 00245 | 02.97 | 34.54 | 27.54 | | 1465.9 | | | | | | | |
| | STD | 00250 | 03.74 | 34.62 | 27.53 | 00.240 | 1469.4 | | | | | | | |
| | OBS | 00253 | 03.85 | 34.63 | 27.53 | | 1469.9 | | | | | | | |
| | OBS | 00257 | 03.49 | 34.58 | 27.53 | | 1468.4 | | | | | | | |
| | OBS | 00262 | 03.38 | 34.57 | 27.53 | | 1468.0 | | | | | | | |
| | OBS | 00276 | 03.85 | 34.68 | 27.57 | | 1470.3 | | | | | | | |
| | OBS | 00279 | 03.85 | 34.64 | 27.54 • | | 1470.3 | | | | | | | |
| | OBS | 00285 | 03.52 | 34.61 | 27.55 | | 1469.0 | | | | | | | |
| | OBS | 00297 | 04.48 | 34.78 | 27.58 | | 1473.5 | | | | | | | |
| | STD | 00300 | 04.49 | 34.77 | 27.57 | 00.268 | 1473.5 | | | | | | | |
| | OBS | 00300 | 04.49 | 34.77 | 27.57 | | 1473.5 | | | | | | | |
| | OBS | 00302 | 04.44 | 34.77 | 27.58 | | 1473.4 | | | | | | | |
| | OBS | 00310 | 03.88 | 34.69 | 27.57 | | 1471.0 | | | | | | | |
| | OBS | 00312 | 03.63 | 34.69 | 27.58 | | 1470.9 | | | | | | | |
| | OBS | 00342 | 03.64 | 34.71 | 27.61 | | 1470.6 | | | | | | | |
| | OBS | 00346 | 03.65 | 34.73 | 27.63 | | 1470.7 | | | | | | | |
| | OBS | 00350 | 03.97 | 34.76 | 27.62 | | 1472.2 | | | | | | | |
| | OBS | 00355 | 03.90 | 34.75 | 27.62 | | 1472.0 | | | | | | | |
| | OBS | 00365 | 04.24 | 34.86 | 27.67 | | 1474.2 | | | | | | | |
| | OBS | 00395 | 04.52 | 34.92 | 27.69 | | 1475.5 | | | | | | | |
| | STD | 00400 | 04.53 | 34.92 | 27.68 | 00.319 | 1475.5 | | | | | | | |
| | OBS | 00401 | 04.56 | 34.90 | 27.67 | | 1475.7 | | | | | | | |
| | OBS | 00447 | 04.46 | 34.93 | 27.70 | | 1476.1 | | | | | | | |
| | OBS | 00451 | 04.69 | 34.94 | 27.68 | | 1477.1 | | | | | | | |
| | OBS | 00468 | 04.74 | 34.95 | 27.69 | | 1477.6 | | | | | | | |
| | STD | 00500 | 04.78 | 34.97 | 27.70 | 00.355 | 1478.3 | | | | | | | |
| | OBS | 00500 | 04.78 | 34.97 | 27.70 | | 1478.3 | | | | | | | |
| | OBS | 00550 | 04.73 | 34.99 | 27.72 | | 1479.0 | | | | | | | |
| | STD | 00600 | 04.63 | 34.98 | 27.72 | 00.411 | 1479.3 | | | | | | | |
| | OBS | 00603 | 04.62 | 34.98 | 27.72 | | 1479.4 | | | | | | | |
| | OBS | 00652 | 04.55 | 34.99 | 27.74 | | 1479.9 | | | | | | | |
| | STD | 00700 | 04.45 | 34.99 | 27.75 | 00.455 | 1480.5 | | | | | | | |
| | OBS | 00700 | 04.49 | 34.99 | 27.75 | | 1480.5 | | | | | | | |
| | OBS | 00750 | 04.39 | 34.99 | 27.76 | | 1480.9 | | | | | | | |
| | STD | 00800 | 04.30 | 34.99 | 27.77 | 00.498 | 1481.3 | | | | | | | |
| | OBS | 00803 | 04.30 | 34.99 | 27.77 | | 1481.4 | | | | | | | |
| | OBS | 00850 | 04.24 | 34.98 | 27.77 | | 1481.9 | | | | | | | |
| | STD | 00900 | 04.19 | 34.98 | 27.77 | 00.541 | 1482.5 | | | | | | | |
| | OBS | 00902 | 04.19 | 34.98 | 27.77 | | 1482.5 | | | | | | | |
| | OBS | 00953 | 04.09 | 34.98 | 27.78 | | 1483.0 | | | | | | | |
| | STD | 01000 | 03.97 | 34.96 | 27.78 | 00.583 | 1483.2 | | | | | | | |
| | OBS | 01001 | 03.97 | 34.96 | 27.78 | | 1483.3 | | | | | | | |
| | OBS | 01050 | 03.87 | 34.95 | 27.78 | | 1483.6 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID 31 8463 | YEAR 1975 | BOTDP 03475 | AIR TEMP 05.0 | DIR HGT PER | WIND-DIR 06 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0028 | MONTH 05 | SHIP EV | WET BULB 05.0 | 01 2 4 | WIND-SPD 16 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 05.4N | DAY 28 | DATA USE 1 | BAROMETR 1009.0 | SEA | WIND-FOR | DURATION 00.5 | 2 SQUARE 46 |
| LCNG 047 ST.0W | HOUR 12.8 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | CRIG 011 807 13 | 1 SQUARE 47 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 03.35 | 33.09 | 26.35 | 00.000 | 1461.5 | | | | | | | |
| 12.8 | OBS | 00003 | 03.35 | 33.09 | 26.35 | | 1461.6 | | | | | | | |
| | OBS | 00007 | 03.33 | 33.08 | 26.35 | | 1461.5 | | | | | | | |
| | STD | 00010 | 03.33 | 33.08 | 26.35 | 00.017 | 1461.6 | | | | | | | |
| | OBS | 00013 | 03.33 | 33.11 | 26.37 | | 1461.7 | | | | | | | |
| | OBS | 00015 | 03.31 | 33.14 | 26.40 | | 1461.7 | | | | | | | |
| | OBS | 00017 | 03.35 | 33.18 | 26.43 | | 1461.9 | | | | | | | |
| | STD | 00020 | 03.56 | 33.29 | 26.50 | 00.033 | 1463.0 | | | | | | | |
| | OBS | 00020 | 03.67 | 33.33 | 26.51 | | 1463.6 | | | | | | | |
| | OBS | 00024 | 04.38 | 33.50 | 26.58 | | 1466.8 | | | | | | | |
| | STD | 00030 | 04.93 | 33.63 | 26.62 | 00.048 | 1469.4 | | | | | | | |
| | OBS | 00030 | 04.97 | 33.64 | 26.62 | | 1469.6 | | | | | | | |
| | OBS | 00045 | 05.42 | 33.76 | 26.67 | | 1471.8 | | | | | | | |
| | OBS | 00047 | 05.46 | 33.93 | 26.80 | | 1472.3 | | | | | | | |
| | OBS | 00049 | 07.13 | 34.19 | 26.78 | | 1475.3 | | | | | | | |
| | STD | 00050 | 07.04 | 34.18 | 26.79 | 00.075 | 1478.9 | | | | | | | |
| | OBS | 00055 | 06.10 | 34.05 | 26.81 | | 1475.1 | | | | | | | |
| | OBS | 00057 | 04.85 | 33.86 | 26.81 | | 1470.0 | | | | | | | |
| | OBS | 00059 | 05.12 | 34.18 | 27.03 | | 1471.4 | | | | | | | |
| | OBS | 00060 | 06.28 | 34.40 | 27.06 | | 1476.4 | | | | | | | |
| | OBS | 00062 | 06.57 | 34.43 | 27.05 | | 1477.6 | | | | | | | |
| | OBS | 00066 | 07.55 | 34.62 | 27.06 | | 1481.8 | | | | | | | |
| | STD | 00075 | 07.52 | 34.60 | 27.05 | 00.104 | 1481.8 | | | | | | | |
| | OBS | 00076 | 07.52 | 34.60 | 27.05 | | 1481.8 | | | | | | | |
| | STD | 00100 | 07.40 | 34.62 | 27.08 | 00.129 | 1481.8 | | | | | | | |
| | OBS | 00100 | 07.39 | 34.62 | 27.09 | | 1481.7 | | | | | | | |
| | OBS | 00104 | 07.29 | 34.62 | 27.10 | | 1481.4 | | | | | | | |
| | OBS | 00108 | 07.00 | 34.58 | 27.11 | | 1480.3 | | | | | | | |
| | STD | 00125 | 07.37 | 34.69 | 27.14 | 00.154 | 1482.1 | | | | | | | |
| | OBS | 00125 | 07.38 | 34.69 | 27.14 | | 1482.2 | | | | | | | |
| | STD | 00150 | 07.37 | 34.74 | 27.19 | 00.177 | 1482.6 | | | | | | | |
| | OBS | 00152 | 07.37 | 34.75 | 27.19 | | 1482.7 | | | | | | | |
| | OBS | 00178 | 07.63 | 34.84 | 27.22 | | 1484.2 | | | | | | | |
| | OBS | 00190 | 07.45 | 34.81 | 27.23 | | 1483.7 | | | | | | | |
| | OBS | 00199 | 06.91 | 34.74 | 27.25 | | 1481.6 | | | | | | | |
| | STD | 00200 | 06.91 | 34.74 | 27.25 | 00.222 | 1481.6 | | | | | | | |
| | OBS | 00201 | 06.87 | 34.76 | 27.27 | | 1481.5 | | | | | | | |
| | OBS | 00205 | 06.86 | 34.77 | 27.28 | | 1481.6 | | | | | | | |
| | OBS | 00218 | 07.14 | 34.83 | 27.29 | | 1483.0 | | | | | | | |
| | OBS | 00222 | 06.93 | 34.82 | 27.31 | | 1482.2 | | | | | | | |
| | OBS | 00226 | 06.92 | 34.83 | 27.32 | | 1482.2 | | | | | | | |
| | OBS | 00230 | 06.67 | 34.79 | 27.32 | | 1481.3 | | | | | | | |
| | OBS | 00237 | 06.14 | 34.69 | 27.31 | | 1479.1 | | | | | | | |
| | OBS | 00241 | 04.92 | 34.50 | 27.31 | | 1474.0 | | | | | | | |
| | OBS | 00245 | 04.42 | 34.50 | 27.37 | | 1472.0 | | | | | | | |
| | STD | 00250 | 04.39 | 34.50 | 27.37 | 00.262 | 1471.9 | | | | | | | |
| | OBS | 00253 | 04.29 | 34.50 | 27.38 | | 1471.6 | | | | | | | |
| | OBS | 00260 | 04.44 | 34.56 | 27.41 | | 1472.4 | | | | | | | |
| | OBS | 00264 | 04.79 | 34.62 | 27.42 | | 1474.0 | | | | | | | |
| | OBS | 00270 | 04.65 | 34.58 | 27.40 | | 1473.5 | | | | | | | |
| | OBS | 00276 | 03.66 | 34.46 | 27.41 | | 1469.2 | | | | | | | |
| | OBS | 00297 | 03.61 | 34.54 | 27.48 | | 1469.5 | | | | | | | |
| | STD | 00300 | 03.68 | 34.55 | 27.49 | 00.296 | 1469.8 | | | | | | | |
| | OBS | 00302 | 03.77 | 34.57 | 27.49 | | 1470.3 | | | | | | | |
| | OBS | 00310 | 04.19 | 34.62 | 27.49 | | 1472.2 | | | | | | | |
| | OBS | 00323 | 04.30 | 34.67 | 27.51 | | 1473.0 | | | | | | | |
| | OBS | 00331 | 04.62 | 34.71 | 27.51 | | 1474.5 | | | | | | | |
| | OBS | 00346 | 04.49 | 34.73 | 27.54 | | 1474.2 | | | | | | | |
| | OBS | 00356 | 05.07 | 34.85 | 27.57 | | 1477.0 | | | | | | | |
| | OBS | 00371 | 05.28 | 34.88 | 27.57 | | 1478.1 | | | | | | | |
| | OBS | 00382 | 04.08 | 34.72 | 27.58 | | 1473.1 | | | | | | | |
| | OBS | 00394 | 04.13 | 34.74 | 27.59 | | 1473.5 | | | | | | | |
| | STD | 00400 | 04.10 | 34.71 | 27.57 | 00.356 | 1473.5 | | | | | | | |
| | OBS | 00407 | 03.89 | 34.69 | 27.57 | | 1472.7 | | | | | | | |
| | OBS | 00411 | 03.71 | 34.68 | 27.58 | | 1472.0 | | | | | | | |
| | OBS | 00426 | 03.99 | 34.80 | 27.65 | | 1473.6 | | | | | | | |
| | OBS | 00434 | 04.24 | 34.84 | 27.66 | | 1474.8 | | | | | | | |
| | OBS | 00447 | 04.51 | 34.86 | 27.64 | | 1476.2 | | | | | | | |
| | OBS | 00451 | 04.51 | 34.86 | 27.64 | | 1476.2 | | | | | | | |
| | STD | 00500 | 04.65 | 34.91 | 27.67 | 00.409 | 1477.7 | | | | | | | |
| | OBS | 00500 | 04.65 | 34.91 | 27.67 | | 1477.7 | | | | | | | |
| | OBS | 00531 | 04.80 | 34.93 | 27.69 | | 1478.0 | | | | | | | |
| | OBS | 00538 | 04.83 | 34.99 | 27.71 | | 1479.2 | | | | | | | |
| | OBS | 00550 | 04.83 | 34.97 | 27.69 | | 1479.3 | | | | | | | |
| | STD | 00600 | 04.76 | 34.98 | 27.71 | 00.457 | 1479.9 | | | | | | | |
| | OBS | 00601 | 04.76 | 34.98 | 27.71 | | 1479.9 | | | | | | | |
| | OBS | 00656 | 04.57 | 34.96 | 27.71 | | 1480.0 | | | | | | | |
| | STD | 00700 | 04.58 | 34.96 | 27.73 | 00.503 | 1480.8 | | | | | | | |
| | OBS | 00704 | 04.56 | 34.98 | 27.73 | | 1480.9 | | | | | | | |
| | OBS | 00753 | 04.51 | 34.99 | 27.74 | | 1481.4 | | | | | | | |
| | STD | 00800 | 04.44 | 34.99 | 27.75 | 00.548 | 1481.9 | | | | | | | |
| | OBS | 00801 | 04.44 | 34.99 | 27.75 | | 1481.9 | | | | | | | |
| | OBS | 00850 | 04.37 | 34.99 | 27.76 | | 1482.5 | | | | | | | |
| | STD | 00900 | 04.28 | 34.98 | 27.76 | 00.592 | 1482.9 | | | | | | | |
| | OBS | 00900 | 04.28 | 34.98 | 27.76 | | 1482.9 | | | | | | | |
| | OBS | 00953 | 04.21 | 34.98 | 27.77 | | 1483.5 | | | | | | | |
| | STD | 01000 | 04.12 | 34.98 | 27.78 | 00.635 | 1483.9 | | | | | | | |
| | OBS | 01001 | 04.12 | 34.98 | 27.78 | | 1483.9 | | | | | | | |
| | OBS | 01048 | 04.07 | 34.98 | 27.78 | | 1484.5 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCOC STATION DATA

| REFID 31 0463 | YEAR 1975 | BOTOP 03522 | AIR TEMP 07.5 | DIR HGT PER | WIND-DIR 32 | INST STO RECORDER | TEN SO 1308 |
|---|---|---|---|---|---|---|---|
| CONSEC 0029 | MONTH 05 | SHIP EV | WET BULB 05.9 | 19  2  3 | WIND-SPD 10 | TRACE DIR        G | 5 SQUARE  2 |
| LAT  44 20.8N | DAY  26 | DATA USE  1 | BAROMETR 1009.5 | SEA | WIND-FOR | DURATION | 2 SQUARE 46 |
| LONG  047 55.5W | HOUR 15.7 | AREA  05 | CLOUD T/A | CL/TR | WEATHER A4 | ORIG G11 808   1 | 1 SQUARE 47 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | C0000 | 06.09 | 33.79 | 26.61 | 00.000 | 1473.8 | | | | | | | |
| | OBS | 00005 | 06.09 | 33.79 | 26.61 | | 1473.9 | | | | | | | |
| | STO | 00010 | 06.11 | 33.82 | 26.63 | 00.014 | 1474.1 | | | | | | | |
| | OBS | 00011 | 06.11 | 33.83 | 26.64 | | 1474.2 | | | | | | | |
| | OBS | 00015 | 06.32 | 33.88 | 26.65 | | 1475.1 | | | | | | | |
| | STO | 00020 | 06.95 | 34.01 | 26.67 | 00.028 | 1477.9 | | | | | | | |
| | OBS | 00020 | 07.18 | 34.08 | 26.69 | | 1478.9 | | | | | | | |
| | OBS | 00024 | 08.50 | 34.51 | 26.83 | | 1484.6 | | | | | | | |
| | OBS | 00026 | 08.38 | 34.50 | 26.84 | | 1484.2 | | | | | | | |
| | OBS | 00028 | 10.00 | 34.96 | 26.94 | | 1490.8 | | | | | | | |
| | STO | 00030 | 10.02 | 34.96 | 26.94 | 00.041 | 1490.9 | | | | | | | |
| | OBS | 00038 | 10.31 | 34.95 | 26.88 • | | 1492.1 | | | | | | | |
| | OBS | 00043 | 10.68 | 35.08 | 26.90 | | 1493.6 | | | | | | | |
| | STO | 00050 | 10.79 | 35.06 | 26.88 | 00.064 | 1494.1 | | | | | | | |
| | OBS | 00051 | 10.81 | 35.06 | 26.88 | | 1494.2 | | | | | | | |
| | STC | 00075 | 11.01 | 35.13 | 26.90 | 00.094 | 1495.4 | | | | | | | |
| | OBS | 00079 | 11.05 | 35.16 | 26.91 | | 1495.7 | | | | | | | |
| | OBS | 00087 | 11.10 | 35.21 | 26.94 | | 1496.0 | | | | | | | |
| | OBS | 00089 | 10.81 | 35.13 | 26.93 | | 1494.9 | | | | | | | |
| | OBS | 00097 | 10.15 | 35.07 | 27.00 | | 1492.6 | | | | | | | |
| | STO | 00100 | 10.11 | 35.08 | 27.02 | 00.122 | 1492.5 | | | | | | | |
| | OBS | 00100 | 10.11 | 35.09 | 27.02 | | 1492.6 | | | | | | | |
| | OBS | 00108 | 10.31 | 35.16 | 27.04 | | 1493.5 | | | | | | | |
| | OBS | 00114 | 10.12 | 35.12 | 27.04 | | 1492.8 | | | | | | | |
| | OBS | 00119 | 10.10 | 35.13 | 27.06 | | 1492.9 | | | | | | | |
| | STO | 00125 | 09.94 | 35.08 | 27.05 | 00.149 | 1492.3 | | | | | | | |
| | OBS | 00125 | 09.92 | 35.08 | 27.05 | | 1492.3 | | | | | | | |
| | STO | 00150 | 08.95 | 34.95 | 27.11 | 00.174 | 1486.9 | | | | | | | |
| | OBS | 00152 | 08.92 | 34.92 | 27.09 | | 1488.8 | | | | | | | |
| | OBS | 00154 | 08.90 | 34.89 | 27.07 | | 1488.7 | | | | | | | |
| | OBS | 00167 | 08.58 | 34.83 | 27.07 | | 1487.7 | | | | | | | |
| | OBS | 00177 | 08.22 | 34.79 | 27.10 | | 1486.4 | | | | | | | |
| | OBS | 00178 | 07.76 | 34.71 | 27.10 | | 1484.6 | | | | | | | |
| | OBS | 00188 | 07.83 | 34.71 | 27.12 | | 1484.2 | | | | | | | |
| | OBS | 00190 | 08.03 | 34.84 | 27.16 | | 1486.0 | | | | | | | |
| | STO | 00200 | 08.10 | 34.85 | 27.16 | 00.223 | 1486.4 | | | | | | | |
| | OBS | 00201 | 08.11 | 34.85 | 27.16 | | 1486.5 | | | | | | | |
| | OBS | 00207 | 07.75 | 34.79 | 27.17 | | 1485.1 | | | | | | | |
| | OBS | 00230 | 07.11 | 34.70 | 27.19 | | 1482.9 | | | | | | | |
| | STO | 00250 | 07.31 | 34.83 | 27.26 | 00.268 | 1484.1 | | | | | | | |
| | OBS | 00251 | 07.32 | 34.84 | 27.27 | | 1484.2 | | | | | | | |
| | OBS | 00270 | 07.48 | 34.91 | 27.30 | | 1485.2 | | | | | | | |
| | OBS | 00276 | 07.39 | 34.90 | 27.31 | | 1485.0 | | | | | | | |
| | OBS | 00295 | 06.65 | 34.75 | 27.29 | | 1482.2 | | | | | | | |
| | OBS | 00296 | 06.05 | 34.71 | 27.34 | | 1479.8 | | | | | | | |
| | STO | 00300 | 05.99 | 34.71 | 27.35 | 00.309 | 1479.6 | | | | | | | |
| | OBS | 00300 | 05.96 | 34.71 | 27.35 | | 1479.5 | | | | | | | |
| | OBS | 00310 | 05.89 | 34.82 | 27.45 | | 1479.5 | | | | | | | |
| | OBS | 00314 | 06.10 | 34.85 | 27.44 | | 1480.4 | | | | | | | |
| | OBS | 00316 | 06.55 | 34.92 | 27.44 | | 1482.4 | | | | | | | |
| | OBS | 00350 | 06.88 | 35.04 | 27.49 | | 1484.4 | | | | | | | |
| | OBS | 00376 | 06.49 | 35.00 | 27.51 | | 1483.2 | | | | | | | |
| | STO | 00400 | 05.53 | 34.89 | 27.55 | 00.378 | 1479.6 | | | | | | | |
| | OBS | 00405 | 05.30 | 34.87 | 27.56 | | 1478.7 | | | | | | | |
| | OBS | 00409 | 05.48 | 34.92 | 27.58 | | 1479.6 | | | | | | | |
| | OBS | 00420 | 04.96 | 34.84 | 27.57 | | 1477.6 | | | | | | | |
| | OBS | 00456 | 05.31 | 34.94 | 27.61 | | 1479.7 | | | | | | | |
| | STO | 00500 | 05.27 | 34.96 | 27.63 | 00.435 | 1480.3 | | | | | | | |
| | OBS | 00508 | 05.23 | 34.96 | 27.64 | | 1480.3 | | | | | | | |
| | OBS | 00550 | 04.90 | 34.95 | 27.67 | | 1479.6 | | | | | | | |
| | STO | 00600 | 04.89 | 34.98 | 27.69 | 00.485 | 1480.4 | | | | | | | |
| | OBS | 00601 | 04.89 | 34.98 | 27.69 | | 1480.5 | | | | | | | |
| | OBS | 00656 | 04.51 | 34.95 | 27.71 | | 1479.8 | | | | | | | |
| | STO | 00700 | 04.49 | 34.95 | 27.71 | 00.532 | 1480.4 | | | | | | | |
| | OBS | 00713 | 04.46 | 34.95 | 27.72 | | 1480.3 | | | | | | | |
| | OBS | 00750 | 04.32 | .34.96 | 27.74 | | 1480.5 | | | | | | | |
| | STO | 00800 | 04.45 | 34.99 | 27.75 | 00.578 | 1481.9 | | | | | | | |
| | OBS | 00809 | 04.45 | 34.99 | 27.75 | | 1482.1 | | | | | | | |
| | OBS | 00854 | 04.37 | 34.99 | 27.76 | | 1482.5 | | | | | | | |
| | STO | 00900 | 04.28 | 34.98 | 27.76 | 00.622 | 1482.9 | | | | | | | |
| | OBS | 00900 | 04.28 | 34.98 | 27.76 | | 1482.9 | | | | | | | |
| | OBS | 00955 | 04.08 | 34.96 | 27.77 | | 1482.9 | | | | | | | |
| | STO | 01000 | 03.98 | 34.95 | 27.77 | 00.665 | 1483.2 | | | | | | | |
| | OBS | 01001 | 03.96 | 34.95 | 27.77 | | 1483.2 | | | | | | | |
| | OBS | 01027 | 03.90 | 34.94 | 27.77 | | 1483.4 | | | | | | | |
| | OBS | 01052 | 03.92 | 34.96 | 27.78 | | 1483.9 | | | | | | | |

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| FSFIO 31 8423 | YEAR 1975 | BOTCP 03252 | AIR TEMP 05.0 | DIR FCT PER | WIND-DIR 34 | INST STC RECORDER | TEN SG 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0330 | MONTH 05 | SFIP EV | WET BULB 05.0 | 20 2 4 | WIND-SPD 16 | TRACE DIA 0 | S SQUARE 2 |
| LAT 44 20.0N | DAY 28 | DATA USS 1 | BARCMETR 1011.0 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 46 |
| LONG 048 10.0W | HOUR 18.0 | AREA 05 | CLCUO 7/A | CL/TR | WEATHER A4 | CRIG 011 805 21 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNOPTH | SNC VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 04.21 | 33.25 | 26.40 | 00.000 | 1465.4 | | | | | | |
| 18.0 | OBS | 00007 | 04.21 | 33.25 | 26.40 | | 1465.5 | | | | | | |
| | STO | C0010 | 04.20 | 33.25 | 26.40 | 00.016 | 1465.5 | | | | | | |
| | OBS | 00011 | 04.20 | 33.25 | 26.40 | | 1465.5 | | | | | | |
| | OBS | 00013 | 04.14 | 33.24 | 26.40 | | 1465.3 | | | | | | |
| | STO | 00020 | 04.12 | 33.27 | 26.42 | 00.033 | 1465.4 | | | | | | |
| | OBS | 00022 | 04.12 | 33.29 | 26.44 | | 1465.4 | | | | | | |
| | STO | 00030 | 04.13 | 33.34 | 26.47 | 00.049 | 1465.7 | | | | | | |
| | OBS | 00030 | 04.13 | 33.34 | 26.48 | | 1465.7 | | | | | | |
| | OBS | C0036 | 03.99 | 33.38 | 26.52 | | 1465.2 | | | | | | |
| | OBS | 00038 | 04.45 | 33.48 | 26.55 | | 1467.3 | | | | | | |
| | OBS | 00043 | 04.35 | 33.54 | 26.61 | | 1467.1 | | | | | | |
| | OBS | 00049 | 04.58 | 33.65 | 26.67 | | 1468.3 | | | | | | |
| | STO | 00050 | 04.46 | 33.65 | 26.69 | 00.076 | 1467.8 | | | | | | |
| | OBS | 0C057 | 03.02 | 33.56 | 26.76 | | 1461.7 | | | | | | |
| | OBS | 00062 | 02.18 | 33.40 | 26.70 * | | 1457.9 | | | | | | |
| | OBS | 00064 | 00.79 | 33.31 | 26.72 | | 1451.6 | | | | | | |
| | OBS | 00074 | 00.11 | 33.44 | 26.86 | | 1448.9 | | | | | | |
| | STO | 00075 | 00.44 | 33.47 | 26.87 | 00.110 | 1450.4 | | | | | | |
| | OBS | 00076 | 00.77 | 33.49 | 26.87 | | 1452.0 | | | | | | |
| | OBS | 00079 | 00.76 | 33.48 | 26.86 | | 1452.0 | | | | | | |
| | OBS | 00083 | - 0.32 | 33.54 | 26.96 | | 1447.2 | | | | | | |
| | OBS | 0C087 | - 0.34 | 33.49 | 26.93 * | | 1447.1 | | | | | | |
| | OBS | 00093 | - 0.06 | 33.60 | 27.00 | | 1448.6 | | | | | | |
| | OBS | 00055 | 00.68 | 33.70 | 27.04 | | 1452.2 | | | | | | |
| | OBS | 00099 | 01.02 | 33.75 | 27.06 | | 1453.8 | | | | | | |
| | STO | 00100 | 01.03 | 33.75 | 27.06 | 00.138 | 1453.9 | | | | | | |
| | OBS | C0100 | 01.04 | 33.75 | 27.06 | | 1453.9 | | | | | | |
| | OBS | 0C104 | 01.02 | 33.75 | 27.06 | | 1453.9 | | | | | | |
| | OBS | 0010c | 01.63 | 33.83 | 27.08 | | 1456.8 | | | | | | |
| | OBS | 00108 | 01.79 | 33.84 | 27.08 | | 1457.5 | | | | | | |
| | OBS | 00114 | 02.33 | 33.94 | 27.12 | | 1460.1 | | | | | | |
| | OBS | C0118 | 02.31 | 33.96 | 27.14 | | 1460.1 | | | | | | |
| | STO | 00125 | 02.57 | 34.06 | 27.16 | 00.162 | 1463.2 | | | | | | |
| | OBS | 00125 | 03.06 | 34.08 | 27.17 | | 1463.7 | | | | | | |
| | OBS | 00127 | 03.35 | 34.17 | 27.21 | | 1465.2 | | | | | | |
| | OBS | 00135 | 03.47 | 34.17 | 27.20 | | 1465.7 | | | | | | |
| | OBS | 00142 | 03.56 | 34.29 | 27.25 | | 1468.1 | | | | | | |
| | STO | 00150 | 03.84 | 34.29 | 27.26 | 00.184 | 1467.7 | | | | | | |
| | OBS | 00154 | 03.79 | 34.29 | 27.27 | | 1467.5 | | | | | | |
| | OBS | 00175 | 03.71 | 34.36 | 27.33 | | 1467.6 | | | | | | |
| | OBS | 00190 | 04.22 | 34.46 | 27.36 | | 1470.2 | | | | | | |
| | OBS | 00198 | 04.13 | 34.48 | 27.38 | | 1470.0 | | | | | | |
| | STO | 00200 | 04.32 | 34.51 | 27.39 | 00.223 | 1470.9 | | | | | | |
| | OBS | 00203 | 04.63 | 34.57 | 27.40 | | 1472.3 | | | | | | |
| | OBS | C0226 | 04.94 | 34.68 | 27.45 | | 1474.1 | | | | | | |
| | STO | 00250 | 04.92 | 34.70 | 27.47 | 00.257 | 1474.4 | | | | | | |
| | OBS | 00253 | 04.92 | 34.70 | 27.47 | | 1474.4 | | | | | | |
| | OBS | 00264 | 04.58 | 34.67 | 27.48 | | 1473.2 | | | | | | |
| | OBS | 00263 | 04.77 | 34.72 | 27.50 | | 1474.4 | | | | | | |
| | OBS | 00289 | 04.55 | 34.66 | 27.49 | | 1473.5 | | | | | | |
| | STO | 00300 | 03.76 | 34.64 | 27.55 | 00.268 | 1470.3 | | | | | | |
| | OBS | C0300 | 03.73 | 34.64 | 27.55 | | 1470.2 | | | | | | |
| | OBS | 00308 | 03.58 | 34.62 | 27.55 | | 1469.6 | | | | | | |
| | OBS | 00310 | 03.63 | 34.65 | 27.57 | | 1469.9 | | | | | | |
| | OBS | 00317 | 04.53 | 34.81 | 27.60 | | 1474.1 | | | | | | |
| | OBS | 00321 | 04.60 | 34.80 | 27.58 | | 1474.4 | | | | | | |
| | OBS | 00333 | 05.22 | 34.93 | 27.62 | | 1477.3 | | | | | | |
| | OBS | 00346 | 05.60 | 34.98 | 27.61 | | 1479.1 | | | | | | |
| | OBS | 00354 | 05.62 | 34.99 | 27.61 | | 1479.4 | | | | | | |
| | OBS | 0C361 | 05.66 | 34.99 | 27.61 | | 1479.6 | | | | | | |
| | OBS | 00369 | 05.25 | 34.91 | 27.60 | | 1476.0 | | | | | | |
| | OBS | 00376 | 04.99 | 34.92 | 27.63 | | 1477.1 | | | | | | |
| | OBS | 00388 | 04.65 | 34.87 | 27.63 | | 1475.8 | | | | | | |
| | STO | 00400 | 04.76 | 34.91 | 27.66 | 00.341 | 1476.5 | | | | | | |
| | OBS | 00401 | 04.77 | .34.92 | 27.66 | | 1476.6 | | | | | | |
| | OBS | 00453 | 04.83 | 34.92 | 27.68 | | 1477.7 | | | | | | |
| | OBS | 00465 | 04.74 | 34.96 | 27.69 | | 1477.9 | | | | | | |
| | STO | C0500 | 04.61 | 35.00 | 27.72 | 00.388 | 1478.5 | | | | | | |
| | OBS | 0C502 | 04.82 | 35.01 | 27.73 | | 1478.6 | | | | | | |
| | OBS | 00555 | 04.73 | 34.96 | 27.71 | | 1479.0 | | | | | | |
| | STO | 00600 | 04.59 | 34.99 | 27.74 | 00.431 | 1479.2 | | | | | | |
| | OBS | 00605 | 04.58 | 34.99 | 27.74 | | 1479.3 | | | | | | |
| | OBS | 00656 | 04.53 | 34.98 | 27.73 | | 1479.9 | | | | | | |
| | STO | 00700 | 04.44 | 34.99 | 27.75 | 00.475 | 1480.3 | | | | | | |
| | OBS | 00702 | 04.44 | 34.99 | 27.75 | | 1480.3 | | | | | | |
| | OBS | 00750 | 04.42 | 34.99 | 27.75 | | 1481.0 | | | | | | |
| | STO | 00800 | 04.35 | 34.98 | 27.75 | 00.518 | 1481.5 | | | | | | |
| | OBS | 00801 | 04.35 | 34.98 | 27.75 | | 1481.5 | | | | | | |
| | OBS | 00850 | 04.20 | 34.97 | 27.76 | | 1481.7 | | | | | | |
| | STO | 00900 | 04.14 | 34.97 | 27.77 | 00.561 | 1482.3 | | | | | | |
| | OBS | 00904 | 04.13 | 34.97 | 27.77 | | 1482.3 | | | | | | |
| | OBS | 00953 | 04.05 | 34.96 | 27.77 | | 1482.8 | | | | | | |
| | STO | C1000 | 04.03 | 34.97 | 27.78 | 00.604 | 1483.5 | | | | | | |
| | OBS | 01003 | 04.03 | 34.97 | 27.78 | | 1483.5 | | | | | | |
| | OBS | 01056 | 03.92 | 34.96 | 27.78 | | 1484.0 | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

| PSFID  31  8463 | YEAR 1975 | BOTOP 03167 | AIR TEMP  04.9 | DIR HGT PER | WIND-DIR 35 | INST STD RECORDER | TEN SO 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC    0031 | MONTH  05 | SHIP EV | WET BULB  04.0 | 25  3  4 | WIND-SPD 10 | TRACE DIR      0 | 5 SQUARE  2 |
| LAT    44 19.5N | DAY   28 | DATA USE  1 | BARCMETR 1012.2 | SEA | WIND-FOR | DURATION     00.5 | 2 SQUARE 48 |
| LONG   048 25.0W | HOUR 20.0 | AREA     05 | CLOUD T/A | CL/TR | WEATHER  X4 | DREG 011 810  09 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT-P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 02.79 | 33.27 | 26.51 | 00.000 | 1459.3 | | | | | | | |
| 20.0 | OBS | 00003 | 02.79 | 33.27 | 26.51 | | 1459.3 | | | | | | | |
| | OBS | 00005 | 02.76 | 33.21 | 26.50 | | 1459.2 | | | | | | | |
| | STO | 00010 | 03.01 | 33.24 | 26.50 | 00.015 | 1460.4 | | | | | | | |
| | OBS | 00015 | 03.01 | 33.27 | 26.53 | | 1460.6 | | | | | | | |
| | OBS | 00017 | 02.93 | 33.33 | 26.58 | | 1460.3 | | | | | | | |
| | STO | 00020 | 03.00 | 33.34 | 26.58 | 00.030 | 1460.7 | | | | | | | |
| | OBS | 00026 | 03.15 | 33.35 | 26.58 | | 1461.5 | | | | | | | |
| | OBS | 00028 | 03.35 | 33.31 | 26.53 * | | 1462.3 | | | | | | | |
| | STO | 00030 | 02.74 | 33.29 | 26.56 | 00.045 | 1459.6 | | | | | | | |
| | OBS | 00032 | 01.85 | 33.26 | 26.61 | | 1455.7 | | | | | | | |
| | OBS | 00049 | 01.32 | 33.47 | 26.78 | | 1453.9 | | | | | | | |
| | STO | 00050 | 01.17 | 33.43 | 26.79 | 00.073 | 1453.2 | | | | | | | |
| | OBS | 00051 | 00.80 | 33.45 | 26.83 | | 1451.6 | | | | | | | |
| | OBS | 00060 | 00.63 | 33.69 | 27.04 | | 1451.3 | | | | | | | |
| | OBS | 00068 | 01.73 | 33.90 | 27.13 | | 1456.7 | | | | | | | |
| | OBS | 00072 | 01.89 | 33.95 | 27.16 | | 1457.5 | | | | | | | |
| | STO | 00075 | 02.53 | 34.02 | 27.17 | 00.100 | 1460.5 | | | | | | | |
| | OBS | 00076 | 02.72 | 34.04 | 27.17 | | 1461.3 | | | | | | | |
| | OBS | 00083 | 02.95 | 34.09 | 27.19 | | 1462.5 | | | | | | | |
| | OBS | 00093 | 03.00 | 34.14 | 27.22 | | 1463.0 | | | | | | | |
| | OBS | 00095 | 03.69 | 34.26 | 77.25 | | 1466.1 | | | | | | | |
| | STO | 00100 | 04.20 | 34.34 | 27.27 | 00.122 | 1468.5 | | | | | | | |
| | OBS | 00102 | 04.40 | 34.38 | 27.27 | | 1469.4 | | | | | | | |
| | OBS | 00114 | 04.51 | 34.42 | 27.29 | | 1470.1 | | | | | | | |
| | OBS | 00119 | 04.05 | 34.40 | 27.33 | | 1468.2 | | | | | | | |
| | STO | 00125 | 04.16 | 34.48 | 27.38 | 00.141 | 1468.9 | | | | | | | |
| | OBS | 00127 | 04.19 | 34.49 | 27.38 | | 1469.1 | | | | | | | |
| | OBS | 00131 | 04.19 | 34.46 | 27.36 | | 1469.1 | | | | | | | |
| | OBS | 00135 | 04.30 | 34.55 | 27.42 | | 1469.7 | | | | | | | |
| | OBS | 00148 | 04.71 | 34.58 | 27.40 | | 1471.7 | | | | | | | |
| | STO | 00150 | 04.69 | 34.58 | 27.40 | 00.159 | 1471.6 | | | | | | | |
| | OBS | 00154 | 04.64 | 34.58 | 27.40 | | 1471.5 | | | | | | | |
| | OBS | 00173 | 04.39 | 34.58 | 27.43 | | 1470.8 | | | | | | | |
| | OBS | 00178 | 04.30 | 34.57 | 27.43 | | 1470.5 | | | | | | | |
| | OBS | 00196 | 04.39 | 34.66 | 27.50 | | 1471.3 | | | | | | | |
| | OBS | 00198 | 04.33 | 34.64 | 27.49 | | 1471.0 | | | | | | | |
| | STO | 00200 | 04.19 | 34.61 | 27.46 | 00.192 | 1470.4 | | | | | | | |
| | OBS | 00207 | 03.94 | 34.60 | 27.50 | | 1469.5 | | | | | | | |
| | OBS | 00209 | 03.95 | 34.62 | 27.51 | | 1469.6 | | | | | | | |
| | OBS | 00220 | 04.40 | 34.66 | 27.51 | | 1471.7 | | | | | | | |
| | OBS | 00228 | 04.37 | 34.65 | 27.49 | | 1471.7 | | | | | | | |
| | OBS | 00234 | 04.19 | 34.65 | 27.51 | | 1471.0 | | | | | | | |
| | OBS | 00241 | 03.79 | 34.61 | 27.52 | | 1469.4 | | | | | | | |
| | STO | 00250 | 03.63 | 34.61 | 27.54 | 00.222 | 1468.9 | | | | | | | |
| | OBS | 00251 | 03.62 | 34.61 | 27.54 | | 1468.9 | | | | | | | |
| | OBS | 00253 | 03.62 | 34.66 | 27.58 | | 1469.0 | | | | | | | |
| | OBS | 00277 | 04.15 | 34.74 | 27.59 | | 1471.7 | | | | | | | |
| | OBS | 00267 | 03.62 | 34.68 | 27.59 | | 1469.6 | | | | | | | |
| | STO | 00300 | 03.48 | 34.67 | 27.60 | 00.250 | 1469.2 | | | | | | | |
| | OBS | 00302 | 03.45 | 34.67 | 27.60 | | 1469.1 | | | | | | | |
| | OBS | 00317 | 03.52 | 34.78 | 27.64 | | 1471.5 | | | | | | | |
| | OBS | 00325 | 03.54 | 34.79 | 27.65 | | 1471.7 | | | | | | | |
| | OBS | 00333 | 04.13 | 34.81 | 27.64 | | 1472.6 | | | | | | | |
| | OBS | 00350 | 04.13 | 34.81 | 27.64 | | 1472.9 | | | | | | | |
| | OBS | 00365 | 04.26 | 34.83 | 27.64 | | 1473.7 | | | | | | | |
| | STO | 00400 | 04.12 | 34.85 | 27.67 | 00.300 | 1473.8 | | | | | | | |
| | OBS | 00401 | 04.12 | 34.85 | 27.68 | | 1473.6 | | | | | | | |
| | OBS | 00453 | 04.09 | 34.88 | 27.70 | | 1474.5 | | | | | | | |
| | STO | 00500 | 04.38 | 34.94 | 27.72 | 00.345 | 1476.6 | | | | | | | |
| | OBS | 00502 | 04.39 | 34.94 | 27.72 | | 1476.7 | | | | | | | |
| | OBS | 00555 | 04.39 | 34.93 | 27.71 | | 1477.6 | | | | | | | |
| | STO | 00600 | 04.48 | 34.97 | 27.73 | 00.389 | 1478.7 | | | | | | | |
| | OBS | 00603 | 04.48 | 34.97 | 27.73 | | 1478.8 | | | | | | | |
| | OBS | 00652 | 04.39 | 34.98 | 27.75 | | 1479.2 | | | | | | | |
| | STO | 00700 | 04.30 | 34.98 | 27.76 | 00.432 | 1479.6 | | | | | | | |
| | OBS | 00700 | 04.30 | 34.98 | 27.76 | | 1479.7 | | | | | | | |
| | OBS | 00751 | 04.30 | 34.98 | 27.76 | | 1480.5 | | | | | | | |
| | STO | 00800 | 04.15 | 34.95 | 27.75 | 00.475 | 1480.7 | | | | | | | |
| | OBS | 00801 | 04.15 | 34.95 | 27.75 | | 1480.7 | | | | | | | |
| | OBS | 00852 | 04.08 | 34.97 | 27.76 | | 1481.3 | | | | | | | |
| | STO | 00900 | 04.05 | 34.97 | 27.78 | 00.517 | 1481.9 | | | | | | | |
| | OBS | 00900 | 04.05 | 34.97 | 27.78 | | 1481.9 | | | | | | | |
| | OBS | 00955 | 03.59 | 34.96 | 27.78 | | 1482.6 | | | | | | | |
| | STO | 01000 | 03.56 | 34.96 | 27.78 | 00.560 | 1483.2 | | | | | | | |
| | OBS | 01003 | 03.56 | 34.96 | 27.78 | | 1483.2 | | | | | | | |
| | OBS | 01050 | 03.86 | 34.96 | 27.79 | | 1483.7 | | | | | | | |

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID 31 8463 | YEAR 1975 | BOTOP 03149 | AIR TEMP 04.1 | DIR HGT PER | WIND-DIR 03 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0032 | MONTH 05 | SHIP EV | WET BULB 03.5 | 99 X X | WIND-SPD 04 | TRACE DIR 0 | S SQUARE 2 |
| LAT 44 19.8N | DAY 28 | DATA USE 1 | BAROMETR 1012.9 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 4B |
| LONG 048 50.0W | HOUR 21.9 | AREA 05 | CLOUD T/A | CL/TP | WEATHER A2 | ORIG 011 811 14 | 1 SQUARE 4B |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT-P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.9 | OBS | 00009 | 01.33 | 32.96 | 26.41 | | 1452.6 | | | | | | | |
| | STD | 00010 | 01.32 | 32.96 | 26.41 | | 1452.6 | | | | | | | |
| | STD | 00020 | 01.15 | 32.98 | 26.43 | | 1452.1 | | | | | | | |
| | OBS | 00020 | 01.14 | 32.98 | 26.44 | | 1452.0 | | | | | | | |
| | STD | 00030 | 01.01 | 33.00 | 26.46 | | 1451.6 | | | | | | | |
| | OBS | 00030 | 01.00 | 33.00 | 26.46 | | 1451.6 | | | | | | | |
| | STD | 00050 | 00.63 | 33.07 | 26.54 | | 1450.3 | | | | | | | |
| | OBS | 00055 | 00.39 | 33.10 | 26.58 | | 1449.3 | | | | | | | |
| | OBS | 00066 | - 0.35 | 33.19 | 26.68 | | 1446.3 | | | | | | | |
| | OBS | 00068 | - 0.15 | 33.42 | 26.86 | | 1447.3 | | | | | | | |
| | OBS | 00072 | 00.44 | 33.46 | 26.86 | | 1450.4 | | | | | | | |
| | STD | 00075 | 01.62 | 33.59 | 26.90 | | 1455.9 | | | | | | | |
| | OBS | 00076 | 02.00 | 33.64 | 26.91 | | 1457.6 | | | | | | | |
| | OBS | 00089 | 02.32 | 33.79 | 27.00 | | 1459.5 | | | | | | | |
| | STD | 00100 | 02.36 | 33.81 | 27.01 | | 1459.8 | | | | | | | |
| | OBS | 00102 | 02.36 | 33.82 | 27.02 | | 1459.9 | | | | | | | |
| | OBS | 00119 | 02.31 | 33.90 | 27.09 | | 1460.1 | | | | | | | |
| | OBS | 00123 | 01.13 | 33.86 | 27.14 | | 1454.9 | | | | | | | |
| | STD | 00125 | 01.08 | 33.86 | 27.15 | | 1454.7 | | | | | | | |
| | OBS | 00131 | 00.92 | 33.86 | 27.16 | | 1454.1 | | | | | | | |
| | STD | 00150 | 01.01 | 34.00 | 27.26 | | 1454.9 | | | | | | | |
| | OBS | 00150 | 01.01 | 34.00 | 27.26 | | 1455.0 | | | | | | | |
| | OBS | 00175 | 01.41 | 34.14 | 27.35 | | 1457.4 | | | | | | | |
| | STD | 00200 | 01.62 | 34.24 | 27.42 | | 1458.8 | | | | | | | |
| | OBS | 00201 | 01.63 | 34.25 | 27.42 | | 1458.9 | | | | | | | |
| | OBS | 00226 | 01.82 | 34.35 | 27.49 | | 1460.3 | | | | | | | |
| | OBS | 00230 | 01.86 | 34.37 | 27.50 | | 1460.6 | | | | | | | |
| | STD | 00250 | 02.28 | 34.47 | 27.55 | | 1462.9 | | | | | | | |
| | OBS | 00251 | 02.30 | 34.48 | 27.55 | | 1463.0 | | | | | | | |
| | OBS | 00279 | 02.45 | 34.56 | 27.60 | | 1464.2 | | | | | | | |
| | STD | 00300 | 02.62 | 34.60 | 27.62 | | 1465.4 | | | | | | | |
| | OBS | 00302 | 02.64 | 34.60 | 27.62 | | 1465.5 | | | | | | | |
| | OBS | 00350 | 02.90 | 34.66 | 27.64 | | 1467.5 | | | | | | | |
| | STD | 00400 | 03.16 | 34.73 | 27.67 | | 1469.5 | | | | | | | |
| | OBS | 00401 | 03.17 | 34.73 | 27.68 | | 1469.6 | | | | | | | |
| | OBS | 00453 | 03.38 | 34.78 | 27.70 | | 1471.4 | | | | | | | |
| | STD | 00500 | 03.44 | 34.81 | 27.71 | | 1472.5 | | | | | | | |
| | OBS | 00500 | 03.44 | 34.81 | 27.71 | | 1472.5 | | | | | | | |
| | OBS | 00550 | 03.67 | 34.85 | 27.72 | | 1474.3 | | | | | | | |
| | OBS | 00565 | 03.78 | 34.87 | 27.73 | | 1475.1 | | | | | | | |
| | OBS | 00580 | 04.08 | 34.91 | 27.73 | | 1476.6 | | | | | | | |
| | STD | 00600 | 03.97 | 34.90 | 27.73 | | 1476.5 | | | | | | | |
| | OBS | 00601 | 03.96 | 34.90 | 27.73 | | 1476.5 | | | | | | | |
| | OBS | 00658 | 03.88 | 34.90 | 27.74 | | 1477.1 | | | | | | | |
| | STD | 00700 | 03.85 | 34.90 | 27.74 | | 1477.7 | | | | | | | |
| | OBS | 00700 | 03.85 | 34.90 | 27.74 | | 1477.7 | | | | | | | |
| | OBS | 00750 | 03.67 | 34.88 | 27.75 | | 1477.7 | | | | | | | |
| | STD | 00800 | 03.61 | 34.87 | 27.75 | | 1478.2 | | | | | | | |
| | OBS | 00807 | 03.60 | 34.87 | 27.75 | | 1478.3 | | | | | | | |
| | OBS | 00856 | 03.56 | 34.87 | 27.75 | | 1479.0 | | | | | | | |
| | STD | 00900 | 03.48 | 34.87 | 27.76 | | 1479.4 | | | | | | | |
| | OBS | 00902 | 03.48 | 34.87 | 27.76 | | 1479.4 | | | | | | | |
| | OBS | 00951 | 03.51 | 34.88 | 27.76 | | 1480.4 | | | | | | | |
| | STD | 01000 | 03.56 | 34.89 | 27.77 | | 1481.4 | | | | | | | |
| | OBS | 01005 | 03.56 | 34.89 | 27.77 | | 1481.5 | | | | | | | |
| | OBS | 01056 | 03.49 | 34.89 | 27.77 | | 1482.1 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID 31 8463 | YEAR 1975 | BOTOP 01138 | AIR TEMP 03.0 | DIR PGT PER | WIND-DIR 04 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0033 | MONTH 05 | SHIP EV | WET BULB 02.8 | 36 3 4 | WIND-SPD 11 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 19.5N | DAY 28 | DATA USE 1 | BARCMETR 1012.0 | SEA | WIND-FOR | DURATION 00.3 | 2 SQUARE 48 |
| LONG 048 51.8W | HOUR 23.8 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X2 | ORIG 011 812 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23.8 | OBS | 00005 | 00.99 | 32.50 | 26.38 | | 1451.0 | | | | | | | |
| | STD | 00010 | 00.99 | 32.90 | 26.38 | | 1451.0 | | | | | | | |
| | OBS | 00017 | 00.58 | 32.91 | 26.39 | | 1451.1 | | | | | | | |
| | STD | 00020 | 00.54 | 32.89 | 26.38 | | 1451.0 | | | | | | | |
| | OBS | 00024 | 00.85 | 32.88 | 26.37 | | 1450.8 | | | | | | | |
| | STD | 00030 | 00.83 | 32.50 | 26.39 | | 1450.7 | | | | | | | |
| | OBS | 00034 | 00.79 | 32.91 | 26.40 | | 1450.6 | | | | | | | |
| | STD | 00050 | 00.66 | 32.58 | 26.47 | | 1450.3 | | | | | | | |
| | OBS | 00053 | 00.64 | 32.59 | 26.47 | | 1450.3 | | | | | | | |
| | OBS | 00059 | 00.62 | 33.00 | 26.48 | | 1450.3 | | | | | | | |
| | OBS | 00064 | 00.06 | 33.07 | 26.57 | | 1448.0 | | | | | | | |
| | OBS | 00068 | - 0.06 | 33.10 | 26.60 | | 1447.5 | | | | | | | |
| | OBS | 00070 | - 0.40 | 33.13 | 26.64 | | 1446.0 | | | | | | | |
| | OBS | 00072 | - 0.40 | 33.14 | 26.65 | | 1446.1 | | | | | | | |
| | STD | 00075 | - 0.46 | 33.14 | 26.65 | | 1445.8 | | | | | | | |
| | OBS | 00081 | - 0.61 | 33.145 | 26.66 | | 1445.2 | | | | | | | |
| | STD | 00100 | - 1.08 | 33.27 | 26.77 | | 1443.5 | | | | | | | |
| | OBS | 00100 | - 1.05 | 33.27 | 26.78 | | 1443.5 | | | | | | | |
| | OBS | 00108 | - 1.11 | 33.29 | 26.75 | | 1443.6 | | | | | | | |
| | STD | 00125 | - 0.87 | 33.41 | 26.88 | | 1445.1 | | | | | | | |
| | OBS | 00127 | - 0.81 | 33.43 | 26.90 | | 1445.5 | | | | | | | |
| | STD | 00150 | - 0.02 | 33.67 | 27.05 | | 1445.8 | | | | | | | |
| | OBS | 00154 | 00.10 | 33.70 | 27.07 | | 1450.5 | | | | | | | |
| | OBS | 00177 | 00.63 | 33.84 | 27.16 | | 1453.5 | | | | | | | |
| | STD | 00200 | 01.12 | 34.05 | 27.30 | | 1456.3 | | | | | | | |
| | OBS | 00203 | 01.18 | 34.08 | 27.32 | | 1456.7 | | | | | | | |
| | OBS | 00226 | 01.50 | 34.21 | 27.40 | | 1458.7 | | | | | | | |
| | STD | 00250 | 01.57 | 34.40 | 27.52 | | 1461.4 | | | | | | | |
| | OBS | 00253 | 02.02 | 34.42 | 27.53 | | 1461.7 | | | | | | | |
| | OBS | 00276 | 02.29 | 34.51 | 27.58 | | 1463.4 | | | | | | | |
| | STD | 00300 | 02.35 | 34.54 | 27.59 | | 1464.3 | | | | | | | |
| | OBS | 00302 | 02.40 | 34.54 | 27.59 | | 1464.4 | | | | | | | |
| | OBS | 00356 | 02.75 | 34.65 | 27.65 | | 1467.1 | | | | | | | |
| | STD | 00400 | 03.00 | 34.71 | 27.67 | | 1468.8 | | | | | | | |
| | OBS | 00405 | 03.02 | 34.71 | 27.67 | | 1469.0 | | | | | | | |
| | OBS | 00453 | 03.09 | 34.72 | 27.68 | | 1470.1 | | | | | | | |
| | STD | 00500 | 03.16 | 34.74 | 27.68 | | 1471.2 | | | | | | | |
| | OBS | 00502 | 03.17 | 34.74 | 27.68 | | 1471.3 | | | | | | | |
| | OBS | 00544 | 03.29 | 34.78 | 27.70 | | 1472.5 | | | | | | | |
| | STD | 00600 | 03.41 | 34.81 | 27.72 | | 1474.0 | | | | | | | |
| | OBS | 00658 | 03.49 | 34.83 | 27.72 | | 1475.3 | | | | | | | |
| | STD | 00700 | 03.51 | 34.84 | 27.73 | | 1476.1 | | | | | | | |
| | OBS | 00708 | 03.51 | 34.84 | 27.73 | | 1476.3 | | | | | | | |
| | OBS | 00751 | 03.51 | 34.85 | 27.74 | | 1477.0 | | | | | | | |
| | STD | 00800 | 03.49 | 34.85 | 27.74 | | 1477.7 | | | | | | | |
| | OBS | 00807 | 03.49 | 34.85 | 27.74 | | 1477.8 | | | | | | | |
| | OBS | 00850 | 03.49 | 34.86 | 27.75 | | 1478.6 | | | | | | | |
| | STD | 00900 | 03.47 | 34.86 | 27.75 | | 1479.3 | | | | | | | |
| | OBS | 00900 | 03.47 | 34.86 | 27.75 | | 1479.3 | | | | | | | |
| | OBS | 00955 | 03.47 | 34.87 | 27.76 | | 1480.3 | | | | | | | |
| | OBS | 00987 | 03.47 | 34.87 | 27.76 | | 1480.8 | | | | | | | |
| | STD | 01000 | 03.47 | 34.86 | 27.75 | | 1481.0 | | | | | | | |
| | OBS | 01001 | 03.47 | 34.86 | 27.75 | | 1481.0 | | | | | | | |

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| REFID 31 8463 | YEAR 1975 | BOTOP 00175 | AIR TEMP 02.1 | DIR HGT PER | WIND-DIR 00 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0034 | MONTH 05 | SHIP EV | WET BULB 02.1 | 36 3 4 | WIND-SPD 00 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 15.6N | DAY 29 | DATA USE 1 | BARCMETR 1012.0 | SEA | WIND-FOR | DURATION 00.1 | 2 SQUARE 48 |
| LONG 045 04.6W | HOUR 01.8 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X2 | ORIG 011 813 | 1 SQUARE 49 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01.8 | OBS | 00005 | 01.04 | 32.86 | 26.35 | | 1451.2 | | | | | | | |
| | STD | 00010 | 01.04 | 32.86 | 26.34 | | 1451.2 | | | | | | | |
| | OBS | 00011 | 01.05 | 32.85 | 26.34 | | 1451.3 | | | | | | | |
| | OBS | 00015 | 00.93 | 32.86 | 26.35 | | 1450.9 | | | | | | | |
| | STD | 00020 | 00.78 | 32.86 | 26.36 | | 1450.2 | | | | | | | |
| | OBS | 00024 | 00.24 | 32.86 | 26.39 | | 1447.6 | | | | | | | |
| | STD | 00030 | 00.04 | 32.96 | 26.48 | | 1447.1 | | | | | | | |
| | OBS | 00032 | - 0.04 | 32.99 | 26.51 | | 1446.8 | | | | | | | |
| | STD | 00050 | - 0.43 | 33.05 | 26.57 | | 1445.4 | | | | | | | |
| | OBS | 00051 | - 0.45 | 33.05 | 26.58 | | 1445.4 | | | | | | | |
| | STD | 00075 | - 0.39 | 33.05 | 26.61 | | 1445.1 | | | | | | | |
| | OBS | 00083 | - 0.72 | 33.12 | 26.64 | | 1444.7 | | | | | | | |
| | STD | 00100 | - 1.07 | 33.20 | 26.72 | | 1443.5 | | | | | | | |
| | OBS | 00100 | - 1.08 | 33.20 | 26.72 | | 1443.4 | | | | | | | |
| | OBS | 00104 | - 1.11 | 33.22 | 26.74 | | 1443.4 | | | | | | | |
| | STD | 00125 | - 1.05 | 33.32 | 26.81 | | 1444.0 | | | | | | | |
| | OBS | 00125 | - 1.08 | 33.32 | 26.82 | | 1444.0 | | | | | | | |

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID 31 8463 | YEAR 1975 | BOTOP 00215 | AIR TEMP 04.0 | OIR HGT PER | WIND-DIR 05 | INST STD RECORDER | TEN SC 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0333 | MONTH 05 | SHIP EV | WET BULB 03.0 | 35 2 3 | WIND-SPD 12 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 35.1N | DAY 29 | DATA USE 1 | BAROMETR 1011.0 | SEA | WIND-FOR | DURATION 00.1 | 2 SQUARE 48 |
| LONG 049 07.0W | HOUR 03.9 | AREA 05 | CLOUD T/A | CL/TR | WEATHER A6 | ORIG 011 814 | 1 SQUARE 49 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOTTP | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 01.43 | 32.82 | 26.29 | 00.000 | 1452.7 | | | | | | | |
| 03.9 | OBS | 00007 | 01.43 | 32.82 | 26.29 | | 1452.9 | | | | | | | |
| | OBS | 00009 | 01.41 | 32.82 | 26.29 | | 1452.8 | | | | | | | |
| | STO | 00010 | 01.40 | 32.82 | 26.29 | 00.017 | 1452.8 | | | | | | | |
| | STO | 00020 | 01.28 | 32.83 | 26.31 | 00.035 | 1452.4 | | | | | | | |
| | OBS | 00024 | 01.22 | 32.84 | 26.32 | | 1452.2 | | | | | | | |
| | STO | 00030 | 01.05 | 32.85 | 26.33 | 00.052 | 1451.6 | | | | | | | |
| | OBS | 00034 | 00.89 | 32.86 | 26.36 | | 1450.9 | | | | | | | |
| | OBS | 00047 | 00.27 | 32.96 | 26.47 | | 1448.5 | | | | | | | |
| | OBS | 00049 | - 0.41 | 33.03 | 26.56 | | 1445.5 | | | | | | | |
| | STO | 00050 | - 0.41 | 33.03 | 26.56 | 00.084 | 1445.5 | | | | | | | |
| | OBS | 00051 | - 0.41 | 33.03 | 26.56 | | 1445.5 | | | | | | | |
| | OBS | 00057 | - 0.43 | 33.05 | 26.57 | | 1445.5 | | | | | | | |
| | OBS | 00060 | - 0.65 | 33.07 | 26.60 | | 1444.6 | | | | | | | |
| | STO | 00075 | - 0.82 | 33.11 | 26.64 | 00.120 | 1444.1 | | | | | | | |
| | OBS | 00076 | - 0.83 | 33.11 | 26.64 | | 1444.1 | | | | | | | |
| | STO | 00100 | - 0.92 | 33.16 | 26.68 | 00.154 | 1444.1 | | | | | | | |
| | OBS | 00100 | - 0.92 | 33.16 | 26.68 | | 1444.1 | | | | | | | |
| | STO | 00125 | - 0.94 | 33.17 | 26.69 | 00.189 | 1444.4 | | | | | | | |
| | OBS | 00131 | - 0.95 | 33.17 | 26.69 | | 1444.5 | | | | | | | |
| | OBS | 00133 | - 0.95 | 33.18 | 26.70 | | 1444.4 | | | | | | | |
| | STO | 00150 | - 0.98 | 33.19 | 26.71 | 00.222 | 1444.7 | | | | | | | |
| | OBS | 00150 | - 0.98 | 33.19 | 26.71 | | 1444.7 | | | | | | | |
| | OBS | 00177 | - 0.95 | 33.20 | 26.72 | | 1445.1 | | | | | | | |
| | STO | 00200 | - 0.94 | 33.28 | 26.78 | 00.287 | 1445.8 | | | | | | | |
| | OBS | 00205 | - 0.93 | 33.34 | 26.83 | | 1446.1 | | | | | | | |
| | OBS | 00209 | - 0.79 | 33.39 | 26.86 | | 1446.9 | | | | | | | |

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| REFID 31 8463 | YEAR 1975 | BOTOP 01673 | AIR TEMP 03.4 | OIR HGT PER | WIND-DIR 05 | INST STD RECORDER | TEN SC 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0036 | MONTH 05 | SHIP EV | WET BULB 03.4 | 35 2 3 | WIND-SPD 15 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 35.0N | DAY 29 | DATA USE 1 | BAROMETR 1007.7 | SEA | WIND-FOR | DURATION 00.5 | 2 SQUARE 48 |
| LONG 048 51.5W | HOUR 07.2 | AREA 05 | CLOUD T/A | CL/TR | WEATHER A6 | ORIG 011 815 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOTTP | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 01.41 | 33.02 | 26.45 | 00.000 | 1452.9 | | | | | | | |
| 07.2 | OBS | 00007 | 01.41 | 33.02 | 26.45 | | 1453.1 | | | | | | | |
| | STO | 00010 | 01.40 | 33.03 | 26.46 | 00.016 | 1453.0 | | | | | | | |
| | OBS | 00011 | 01.39 | 33.03 | 26.46 | | 1453.0 | | | | | | | |
| | STO | 00020 | 01.41 | 33.04 | 26.47 | 00.032 | 1453.3 | | | | | | | |
| | OBS | 00020 | 01.41 | 33.04 | 26.47 | | 1453.3 | | | | | | | |
| | STO | 00030 | 01.11 | 33.06 | 26.50 | 00.047 | 1452.1 | | | | | | | |
| | OBS | 00032 | 01.05 | 33.06 | 26.51 | | 1451.9 | | | | | | | |
| | STO | 00050 | 00.97 | 33.08 | 26.53 | 00.078 | 1451.9 | | | | | | | |
| | OBS | 00051 | 00.96 | 33.08 | 26.53 | | 1451.8 | | | | | | | |
| | STO | 00075 | 00.67 | 33.10 | 26.56 | 00.115 | 1450.9 | | | | | | | |
| | OBS | 00079 | 00.61 | 33.10 | 26.56 | | 1450.8 | | | | | | | |
| | OBS | 00081 | 00.21 | 33.17 | 26.64 | | 1449.1 | | | | | | | |
| | OBS | 00085 | 00.14 | 33.20 | 26.67 | | 1448.8 | | | | | | | |
| | STO | 00100 | 00.09 | 33.24 | 26.70 | 00.151 | 1448.5 | | | | | | | |
| | OBS | 00102 | - 0.25 | 33.33 | 26.79 | | 1447.5 | | | | | | | |
| | OBS | 00104 | - 0.54 | 33.41 | 26.87 | | 1446.3 | | | | | | | |
| | OBS | 00116 | - 0.64 | 33.44 | 26.90 | | 1446.1 | | | | | | | |
| | STO | 00125 | - 0.44 | 33.51 | 26.94 | 00.182 | 1447.3 | | | | | | | |
| | OBS | 00129 | - 0.34 | 33.54 | 26.97 | | 1447.8 | | | | | | | |
| | STO | 00150 | 00.07 | 33.67 | 27.05 | 00.208 | 1450.2 | | | | | | | |
| | OBS | 00156 | 00.16 | 33.70 | 27.07 | | 1450.8 | | | | | | | |
| | OBS | 00177 | 00.34 | 33.80 | 27.14 | | 1452.1 | | | | | | | |
| | STO | 00200 | 00.81 | 33.95 | 27.24 | 00.255 | 1454.8 | | | | | | | |
| | OBS | 00205 | 00.91 | 33.99 | 27.26 | | 1455.4 | | | | | | | |
| | OBS | 00226 | 01.27 | 34.13 | 27.35 | | 1457.6 | | | | | | | |
| | STO | 00250 | 01.81 | 34.34 | 27.48 | 00.291 | 1460.6 | | | | | | | |
| | OBS | 00255 | 01.85 | 34.37 | 27.50 | | 1461.1 | | | | | | | |
| | OBS | 00283 | 02.09 | 34.42 | 27.52 | | 1462.5 | | | | | | | |
| | STO | 00300 | 02.19 | 34.47 | 27.55 | 00.321 | 1463.3 | | | | | | | |
| | OBS | 00300 | 02.20 | 34.47 | 27.55 | | 1463.4 | | | | | | | |
| | OBS | 00350 | 02.54 | 34.59 | 27.62 | | 1465.8 | | | | | | | |
| | STO | 00400 | 02.75 | 34.64 | 27.64 | 00.373 | 1467.6 | | | | | | | |
| | OBS | 00401 | 02.76 | 34.64 | 27.64 | | 1467.7 | | | | | | | |
| | OBS | 00451 | 02.99 | 34.70 | 27.67 | | 1469.6 | | | | | | | |
| | STO | 00500 | 03.29 | 34.77 | 27.69 | 00.420 | 1471.8 | | | | | | | |
| | OBS | 00504 | 03.31 | 34.77 | 27.69 | | 1471.9 | | | | | | | |
| | OBS | 00559 | 03.47 | 34.80 | 27.70 | | 1473.6 | | | | | | | |
| | STO | 00600 | 03.52 | 34.82 | 27.71 | 00.465 | 1474.5 | | | | | | | |
| | OBS | 00609 | 03.52 | 34.82 | 27.71 | | 1474.6 | | | | | | | |
| | OBS | 00651 | 03.50 | 34.83 | 27.72 | | 1475.3 | | | | | | | |
| | STO | 00700 | 03.54 | 34.84 | 27.73 | 00.509 | 1476.3 | | | | | | | |
| | OBS | 00700 | 03.54 | 34.84 | 27.73 | | 1476.3 | | | | | | | |
| | OBS | 00750 | 03.54 | 34.85 | 27.74 | | 1477.1 | | | | | | | |
| | STO | 00800 | 03.51 | 34.85 | 27.74 | 00.552 | 1477.6 | | | | | | | |
| | OBS | 00805 | 03.51 | 34.85 | 27.74 | | 1477.6 | | | | | | | |
| | OBS | 00850 | 03.47 | 34.86 | 27.75 | | 1478.5 | | | | | | | |
| | STO | 00900 | 03.45 | 34.86 | 27.75 | 00.595 | 1479.2 | | | | | | | |
| | OBS | 00902 | 03.45 | 34.86 | 27.75 | | 1479.3 | | | | | | | |
| | OBS | 00953 | 03.45 | 34.87 | 27.76 | | 1480.1 | | | | | | | |
| | STO | 01000 | 03.44 | 34.87 | 27.76 | 00.638 | 1480.9 | | | | | | | |
| | OBS | 01001 | 03.44 | 34.87 | 27.76 | | 1480.9 | | | | | | | |
| | OBS | 01052 | 03.44 | 34.87 | 27.76 | | 1481.8 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| FEFIC 31 8463 | YEAR 1975 | OCTOP 02562 | AIR TEMP 04.0 | DIR HGT PER | WIND-DIR 07 | INST STC RECORDER | TEN SO 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0C37 | MONTH 05 | SHIP EV | WET BULB 04.0 | 95 X X | WIND-SPD 17 | TRACE DIR C | 5 SQUARE 2 |
| LAT 44 38.8N | DAY 29 | DATA USE 1 | BAROMETR 1006.2 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 48 |
| LONG 048 38.8W | HOUR 09.4 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | ORIG C11 816 10 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 02.29 | 33.31 | 26.62 | 00.000 | 1457.2 | | | | | | | |
| 09.4 | OBS | 00007 | 02.29 | 33.31 | 26.62 | | 1457.3 | | | | | | | |
| | STO | 00010 | 02.30 | 33.32 | 26.63 | 00.014 | 1457.4 | | | | | | | |
| | STO | 00020 | 02.33 | 33.36 | 26.65 | 00.028 | 1457.8 | | | | | | | |
| | OBS | 00020 | 02.33 | 33.36 | 26.66 | | 1457.8 | | | | | | | |
| | STO | 00030 | 02.24 | 33.40 | 26.69 | 00.042 | 1457.6 | | | | | | | |
| | OBS | 00030 | 02.23 | 33.40 | 26.70 | | 1457.6 | | | | | | | |
| | STO | 00050 | 02.02 | 33.45 | 26.75 | 00.069 | 1457.1 | | | | | | | |
| | OBS | 00055 | 01.88 | 33.46 | 26.77 | | 1456.5 | | | | | | | |
| | OBS | 00059 | 01.75 | 33.59 | 26.88 | | 1456.2 | | | | | | | |
| | OBS | 00068 | 02.08 | 33.76 | 27.00 | | 1458.0 | | | | | | | |
| | STO | 00075 | 02.09 | 33.76 | 27.01 | 00.098 | 1458.2 | | | | | | | |
| | OBS | 00076 | 02.09 | 33.79 | 27.02 | | 1458.3 | | | | | | | |
| | OBS | 00083 | 02.40 | 33.87 | 27.06 | | 1459.8 | | | | | | | |
| | OBS | 00087 | 01.91 | 33.85 | 27.08 | | 1457.7 | | | | | | | |
| | OBS | 00097 | 01.91 | 34.02 | 27.22 | | 1458.1 | | | | | | | |
| | STO | 00100 | 01.74 | 34.01 | 27.22 | 00.122 | 1457.4 | | | | | | | |
| | OBS | 00102 | 01.61 | 34.01 | 27.23 | | 1456.9 | | | | | | | |
| | OBS | 00106 | 01.47 | 34.12 | 27.33 | | 1456.5 | | | | | | | |
| | OBS | 00119 | 01.78 | 34.20 | 27.37 | | 1458.2 | | | | | | | |
| | STO | 00125 | 02.42 | 34.26 | 27.37 | 00.142 | 1461.1 | | | | | | | |
| | OBS | 00129 | 02.81 | 34.31 | 27.37 | | 1463.0 | | | | | | | |
| | STO | 00150 | 02.74 | 34.41 | 27.46 | 00.159 | 1463.2 | | | | | | | |
| | OBS | 00150 | 02.74 | 34.41 | 27.46 | | 1463.2 | | | | | | | |
| | OBS | 00167 | 02.92 | 34.46 | 27.48 | | 1464.3 | | | | | | | |
| | OBS | 00173 | 03.25 | 34.51 | 27.49 | | 1465.9 | | | | | | | |
| | OBS | 00178 | 03.38 | 34.54 | 27.50 | | 1466.6 | | | | | | | |
| | OBS | 00184 | 03.48 | 34.54 | 27.49 | | 1467.1 | | | | | | | |
| | STO | 00200 | 03.29 | 34.57 | 27.54 | 00.190 | 1466.6 | | | | | | | |
| | OBS | 00201 | 03.29 | 34.57 | 27.54 | | 1466.6 | | | | | | | |
| | OBS | 00207 | 03.30 | 34.57 | 27.54 | | 1466.7 | | | | | | | |
| | OBS | 00209 | 03.11 | 34.55 | 27.54 | | 1465.9 | | | | | | | |
| | OBS | 00217 | 03.11 | 34.55 | 27.54 | | 1466.0 | | | | | | | |
| | OBS | 00232 | 02.38 | 34.50 | 27.56 | | 1463.1 | | | | | | | |
| | OBS | 00247 | 02.52 | 34.54 | 27.58 | | 1464.0 | | | | | | | |
| | OBS | 00249 | 02.88 | 34.61 | 27.61 | | 1465.7 | | | | | | | |
| | STO | 00250 | 02.88 | 34.61 | 27.61 | 00.217 | 1465.7 | | | | | | | |
| | OBS | 00257 | 02.95 | 34.61 | 27.60 | | 1466.1 | | | | | | | |
| | OBS | 00268 | 03.26 | 34.66 | 27.61 | | 1467.7 | | | | | | | |
| | OBS | 00277 | 03.15 | 34.63 | 27.60 | | 1467.3 | | | | | | | |
| | STO | 00300 | 03.39 | 34.70 | 27.63 | 00.242 | 1468.8 | | | | | | | |
| | OBS | 00300 | 03.40 | 34.70 | 27.63 | | 1468.9 | | | | | | | |
| | OBS | 00354 | 03.94 | 34.82 | 27.67 | | 1472.2 | | | | | | | |
| | OBS | 00367 | 03.97 | 34.83 | 27.68 | | 1472.6 | | | | | | | |
| | OBS | 00369 | 03.54 | 34.78 | 27.68 | | 1470.7 | | | | | | | |
| | STO | 00400 | 03.29 | 34.76 | 27.69 | 00.289 | 1470.1 | | | | | | | |
| | OBS | 00403 | 03.28 | 34.76 | 27.69 | | 1470.1 | | | | | | | |
| | OBS | 00458 | 03.53 | 34.81 | 27.70 | | 1472.2 | | | | | | | |
| | STO | 00500 | 03.66 | 34.83 | 27.71 | 00.333 | 1473.5 | | | | | | | |
| | OBS | 00504 | 03.67 | 34.83 | 27.71 | | 1473.6 | | | | | | | |
| | OBS | 00552 | 03.65 | 34.84 | 27.72 | | 1474.3 | | | | | | | |
| | STO | 00600 | 03.60 | 34.85 | 27.73 | 00.377 | 1474.9 | | | | | | | |
| | OBS | 00603 | 03.60 | 34.85 | 27.73 | | 1474.9 | | | | | | | |
| | OBS | 00651 | 03.62 | 34.87 | 27.74 | | 1475.8 | | | | | | | |
| | STO | 00700 | 03.69 | 34.88 | 27.74 | 00.420 | 1476.9 | | | | | | | |
| | OBS | 00708 | 03.71 | 34.88 | 27.74 | | 1477.2 | | | | | | | |
| | OBS | 00755 | 03.88 | 34.92 | 27.76 | | 1478.7 | | | | | | | |
| | STO | 00800 | 03.80 | 34.91 | 27.76 | 00.462 | 1479.1 | | | | | | | |
| | OBS | 00807 | 03.78 | 34.91 | 27.76 | | 1479.2 | | | | | | | |
| | OBS | 00850 | 03.60 | 34.89 | 27.76 | | 1479.1 | | | | | | | |
| | STO | 00900 | 03.44 | 34.87 | 27.76 | 00.504 | 1479.2 | | | | | | | |
| | OBS | 00900 | 03.44 | 34.87 | 27.76 | | 1479.2 | | | | | | | |
| | OBS | 00957 | 03.40 | 34.87 | 27.77 | | 1480.0 | | | | | | | |
| | STO | 01000 | 03.45 | 34.88 | 27.77 | 00.547 | 1480.9 | | | | | | | |
| | OBS | 01001 | 03.45 | 34.88 | 27.77 | | 1481.0 | | | | | | | |
| | OBS | 01048 | 03.44 | 34.88 | 27.77 | | 1481.7 | | | | | | | |

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TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC   STATION   DATA

| FSFIO 31 8463 | YEAR 1975 | BOTOP 02957 | AIR TEMP 04.5 | DIR HGT PER | WIND-DIR 10 | INST STO RECORDER | TEN SG 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0038 | MONTH 05 | SHIP EV | WET BULB 04.5 | 59 X X | WIND-SPO 10 | TRACE DIR 0 | 5 SQUARE 2 |
| LA" 44 32.0N | DAY 29 | DATA USE 1 | BARCHETR 1004.8 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 48 |
| LONG 048 25.8W | HOUR 11.6 | AREA 05 | CLOUD T/4 | CL/TR | WEATHER A4 | ORIG 011 817 | 1 SQUARE 46 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.6 | OBS | 00009 | 01.51 | 32.98 | 26.41 | | 1453.5 | | | | | | | |
| | STO | 00010 | 01.51 | 32.98 | 26.41 | | 1453.5 | | | | | | | |
| | OBS | 00017 | 01.50 | 32.99 | 26.42 | | 1453.6 | | | | | | | |
| | STO | 00020 | 01.65 | 33.16 | 26.55 | | 1454.5 | | | | | | | |
| | OBS | C0020 | 01.69 | 33.21 | 26.58 | | 1454.8 | | | | | | | |
| | STO | 00030 | 01.74 | 33.26 | 26.62 | | 1455.2 | | | | | | | |
| | OBS | 00034 | 01.77 | 33.36 | 26.70 | | 1455.6 | | | | | | | |
| | OBS | 00036 | 01.51 | 33.42 | 26.76 | | 1454.5 | | | | | | | |
| | OBS | 00047 | 01.04 | 33.49 | 26.85 | | 1452.7 | | | | | | | |
| | OBS | 00049 | 00.84 | 33.62 | 26.97 | | 1452.0 | | | | | | | |
| | STO | 00050 | 00.79 | 33.63 | 26.98 | | 1451.8 | | | | | | | |
| | OBS | 00055 | 00.37 | 33.69 | 27.05 | | 1450.1 | | | | | | | |
| | OBS | 00062 | 00.25 | 33.69 | 27.06 | | 1449.7 | | | | | | | |
| | STO | 00075 | 00.58 | 33.81 | 27.14 | | 1451.5 | | | | | | | |
| | OBS | 00081 | 00.77 | 33.91 | 27.21 | | 1452.6 | | | | | | | |
| | OBS | 00083 | 01.56 | 33.94 | 27.18 * | | 1456.2 | | | | | | | |
| | OBS | 00097 | 01.65 | 34.09 | 27.25 | | 1457.1 | | | | | | | |
| | STO | 00100 | 01.84 | 34.15 | 27.33 | | 1458.0 | | | | | | | |
| | OBS | 00100 | 01.91 | 34.17 | 27.34 | | 1458.4 | | | | | | | |
| | OBS | 00102 | 02.09 | 34.20 | 27.35 | | 1459.3 | | | | | | | |
| | OBS | 00106 | 02.08 | 34.23 | 27.37 | | 1459.3 | | | | | | | |
| | OBS | 00110 | 02.38 | 34.30 | 27.40 | | 1460.8 | | | | | | | |
| | OBS | 00119 | 01.56 | 34.22 | 27.40 | | 1457.2 | | | | | | | |
| | STO | 00125 | 01.56 | 34.23 | 27.41 | | 1457.3 | | | | | | | |
| | OBS | 00125 | 01.56 | 34.23 | 27.41 | | 1457.3 | | | | | | | |
| | STO | 00150 | 02.08 | 34.38 | 27.49 | | 1460.2 | | | | | | | |
| | OBS | 00150 | 02.08 | 34.38 | 27.49 | | 1460.2 | | | | | | | |
| | OBS | 00158 | 02.15 | 34.43 | 27.53 | | 1460.7 | | | | | | | |
| | OBS | 00163 | 02.36 | 34.45 | 27.52 | | 1461.8 | | | | | | | |
| | OBS | 00177 | 02.18 | 34.43 | 27.52 | | 1461.2 | | | | | | | |
| | OBS | 00188 | 02.22 | 34.47 | 27.55 | | 1461.6 | | | | | | | |
| | OBS | 00199 | 03.36 | 34.60 | 27.55 | | 1466.9 | | | | | | | |
| | STO | 00200 | 03.35 | 34.60 | 27.55 | | 1466.8 | | | | | | | |
| | OBS | 00201 | 03.33 | 34.59 | 27.55 | | 1466.8 | | | | | | | |
| | OBS | 00205 | 04.46 | 34.78 | 27.58 | | 1471.9 | | | | | | | |
| | OBS | 00220 | 04.56 | 34.77 | 27.56 | | 1472.5 | | | | | | | |
| | OBS | 00232 | 04.24 | 34.77 | 27.60 | | 1471.4 | | | | | | | |
| | OBS | 00241 | 04.56 | 34.84 | 27.62 | | 1473.0 | | | | | | | |
| | STO | 00250 | 04.62 | 34.85 | 27.62 | | 1473.4 | | | | | | | |
| | OBS | 00255 | 04.64 | 34.85 | 27.62 | | 1473.5 | | | | | | | |
| | OBS | 00268 | 04.62 | 34.85 | 27.62 | | 1473.7 | | | | | | | |
| | OBS | 00270 | 04.26 | 34.80 | 27.62 | | 1472.1 | | | | | | | |
| | OBS | 00281 | 04.44 | 34.83 | 27.63 | | 1473.1 | | | | | | | |
| | STO | 00300 | 04.37 | 34.86 | 27.66 | | 1473.2 | | | | | | | |
| | OBS | 00300 | 04.37 | 34.86 | 27.66 | | 1473.2 | | | | | | | |
| | OBS | 00350 | 04.53 | 34.92 | 27.69 | | 1474.7 | | | | | | | |
| | STO | 00400 | 04.41 | 34.91 | 27.69 | | 1475.1 | | | | | | | |
| | OBS | 00411 | 04.40 | 34.91 | 27.69 | | 1475.2 | | | | | | | |
| | OBS | 00451 | 04.40 | 34.93 | 27.71 | | 1475.9 | | | | | | | |
| | STO | 00500 | 04.31 | 34.93 | 27.72 | | 1476.3 | | | | | | | |
| | OBS | 00500 | 04.31 | 34.93 | 27.72 | | 1476.3 | | | | | | | |
| | OBS | 00550 | 04.28 | 34.94 | 27.73 | | 1477.0 | | | | | | | |
| | STO | 00600 | 04.15 | 34.93 | 27.74 | | 1477.3 | | | | | | | |
| | OBS | 00601 | 04.15 | 34.93 | 27.74 | | 1477.3 | | | | | | | |
| | OBS | 00654 | 04.08 | 34.93 | 27.74 | | 1477.9 | | | | | | | |
| | STO | 00700 | 04.01 | 34.93 | 27.75 | | 1478.3 | | | | | | | |
| | OBS | 00704 | 03.99 | 34.93 | 27.75 | | 1478.4 | | | | | | | |
| | OBS | 00759 | 03.67 | 34.89 | 27.75 | | 1477.9 | | | | | | | |
| | STO | 00800 | 03.63 | 34.89 | 27.76 | | 1478.4 | | | | | | | |
| | OBS | 00803 | 03.63 | 34.89 | 27.76 | | 1478.4 | | | | | | | |
| | OBS | 00852 | 03.62 | 34.90 | 27.77 | | 1479.2 | | | | | | | |
| | STO | 00900 | 03.62 | 34.90 | 27.77 | | 1480.0 | | | | | | | |
| | OBS | 00904 | 03.62 | 34.90 | 27.77 | | 1480.1 | | | | | | | |
| | OBS | 00951 | 03.54 | 34.89 | 27.77 | | 1480.5 | | | | | | | |
| | STO | 01000 | 03.47 | 34.89 | 27.77 | | 1481.0 | | | | | | | |
| | OBS | 01001 | 03.47 | 34.89 | 27.77 | | 1481.1 | | | | | | | |
| | OBS | 01054 | 03.47 | 34.89 | 27.77 | | 1481.9 | | | | | | | |

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TABLE II.  USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

| REFIO 31 8463 | YEAR 1975 | BOTOP 03191 | AIR TEMP 09.0 | DIR HGT PER | WIND-DIR 10 | INST STD RECORDER | TEN SO 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0039 | MONTH 05 | SHIP EV | WET BULB 08.8 | 10 2 2 | WIND-SPD 16 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 36.1N | DAY 29 | CATA USE 1 | BARCMETR 1014.8 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 48 |
| LONG 048 10.2W | HOUR 13.5 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X5 | ORIG 011 818 10 | 1 SQUARE 46 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OAYG | PO4 | TOT P | , NO2 | NO3 | S103 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | C0000 | 04.20 | 33.19 | 26.35 | 00.000 | 1465.3 | | | | | | | |
| 13.5 | 085 | 00003 | 04.20 | 33.19 | 26.35 | | 1465.3 | | | | | | | |
| | STO | 00010 | 04.21 | 33.18 | 26.34 | 00.017 | 1465.4 | | | | | | | |
| | 085 | 00013 | 04.21 | 33.18 | 26.34 | | 1465.5 | | | | | | | |
| | STO | 00020 | 04.19 | 33.22 | 26.37 | 00.034 | 1465.6 | | | | | | | |
| | 085 | 00020 | 04.19 | 33.22 | 26.38 | | 1465.6 | | | | | | | |
| | STO | 00030 | 04.19 | 33.26 | 26.40 | 00.050 | 1465.8 | | | | | | | |
| | 085 | 00030 | 04.19 | 33.26 | 26.41 | | 1465.8 | | | | | | | |
| | STO | 00050 | 03.67 | 33.36 | 26.54 | 00.082 | 1464.1 | | | | | | | |
| | 085 | 00053 | 03.58 | 33.42 | 26.59 | | 1463.8 | | | | | | | |
| | 085 | 00055 | 02.65 | 33.46 | 26.71 | | 1459.9 | | | | | | | |
| | 085 | 00060 | 02.02 | 33.51 | 26.80 | | 1457.3 | | | | | | | |
| | 085 | 00068 | 01.59 | 33.65 | 26.94 | | 1455.7 | | | | | | | |
| | 085 | 00072 | 01.88 | 33.83 | 27.07 | | 1457.3 | | | | | | | |
| | 085 | 00074 | 00.52 | 33.73 | 27.08 | | 1451.1 | | | | | | | |
| | STO | 00075 | 00.55 | 33.72 | 27.07 | 00.113 | 1451.3 | | | | | | | |
| | 085 | 00076 | 00.59 | 33.71 | 27.06 | | 1451.4 | | | | | | | |
| | 085 | 00081 | 00.73 | 33.75 | 27.08 | | 1452.2 | | | | | | | |
| | 085 | 00083 | 01.63 | 33.83 | 27.08 | | 1456.4 | | | | | | | |
| | 085 | 00087 | 01.60 | 33.85 | 27.10 | | 1456.4 | | | | | | | |
| | 085 | 00093 | 02.04 | 33.96 | 27.16 | | 1458.5 | | | | | | | |
| | 085 | 00097 | 02.77 | 34.05 | 27.17 | | 1461.9 | | | | | | | |
| | 065 | 00099 | 02.81 | 34.10 | 27.21 | | 1462.2 | | | | | | | |
| | STO | 00100 | 03.05 | 34.13 | 27.21 | 00.136 | 1463.4 | | | | | | | |
| | 085 | 00102 | 03.74 | 34.22 | 27.21 | | 1466.4 | | | | | | | |
| | 085 | 00114 | 04.65 | 34.41 | 27.27 | | 1470.7 | | | | | | | |
| | 085 | 00118 | 04.90 | 34.42 | 27.25 | | 1471.8 | | | | | | | |
| | STO | 00125 | 04.44 | 34.38 | 27.27 | 00.156 | 1469.9 | | | | | | | |
| | 085 | 00125 | 04.42 | 34.38 | 27.27 | | 1469.8 | | | | | | | |
| | 085 | 00137 | 04.39 | 34.38 | 27.27 | | 1469.9 | | | | | | | |
| | 065 | 00142 | 04.86 | 34.51 | 27.32 | | 1472.1 | | | | | | | |
| | STO | 00150 | 04.89 | 34.52 | 27.33 | 00.176 | 1472.4 | | | | | | | |
| | 085 | 00150 | 04.89 | 34.52 | 27.33 | | 1472.4 | | | | | | | |
| | 085 | 00178 | 04.67 | 34.56 | 27.39 | | 1472.0 | | | | | | | |
| | STO | 00200 | 04.88 | 34.68 | 27.45 | 00.214 | 1473.4 | | | | | | | |
| | 085 | 00201 | 04.90 | 34.68 | 27.45 | | 1473.5 | | | | | | | |
| | 085 | 00226 | 04.19 | 34.63 | 27.49 | | 1470.9 | | | | | | | |
| | 085 | 00234 | 03.67 | 34.58 | 27.51 | | 1468.8 | | | | | | | |
| | 085 | 00245 | 03.40 | 34.54 | 27.50 | | 1467.7 | | | | | | | |
| | STO | 00250 | 03.54 | 34.59 | 27.53 | 00.245 | 1468.5 | | | | | | | |
| | 085 | 00251 | 03.58 | 34.60 | 27.53 | | 1468.7 | | | | | | | |
| | 085 | 00276 | 03.70 | 34.66 | 27.57 | | 1469.7 | | | | | | | |
| | 085 | 00297 | 03.46 | 34.64 | 27.58 | | 1469.0 | | | | | | | |
| | STO | 00300 | 03.73 | 34.68 | 27.58 | 00.273 | 1470.2 | | | | | | | |
| | 085 | 00304 | 03.96 | 34.71 | 27.58 | | 1471.3 | | | | | | | |
| | 085 | 00316 | 03.63 | 34.67 | 27.58 | | 1470.1 | | | | | | | |
| | 085 | 00325 | 03.78 | 34.72 | 27.61 | | 1470.9 | | | | | | | |
| | 085 | 00329 | 03.53 | 34.68 | 27.60 | | 1469.9 | | | | | | | |
| | 085 | 00352 | 03.51 | 34.72 | 27.63 | | 1470.2 | | | | | | | |
| | 085 | 00392 | 03.75 | 34.79 | 27.66 | | 1472.1 | | | | | | | |
| | 085 | 00397 | 04.08 | 34.82 | 27.66 | | 1473.5 | | | | | | | |
| | STO | 00400 | 04.08 | 34.82 | 27.66 | 00.325 | 1473.5 | | | | | | | |
| | 085 | 00407 | 04.08 | 34.83 | 27.66 | | 1473.7 | | | | | | | |
| | 085 | 00451 | 04.30 | 34.88 | 27.68 | | 1475.4 | | | | | | | |
| | STO | 00500 | 04.30 | 34.92 | 27.71 | 00.371 | 1476.2 | | | | | | | |
| | 085 | 00508 | 04.30 | 34.92 | 27.71 | | 1476.4 | | | | | | | |
| | 085 | 00550 | 04.29 | 34.92 | 27.71 | | 1477.0 | | | | | | | |
| | STO | 00600 | 04.31 | 34.95 | 27.73 | 00.415 | 1478.0 | | | | | | | |
| | 085 | 00601 | 04.31 | 34.95 | 27.73 | | 1478.0 | | | | | | | |
| | 085 | 00651 | 04.28 | 34.96 | 27.75 | | 1478.7 | | | | | | | |
| | STO | 00700 | 04.17 | 34.94 | 27.74 | 00.459 | 1479.1 | | | | | | | |
| | 085 | 00702 | 04.17 | 34.94 | 27.74 | | 1479.1 | | | | | | | |
| | 085 | 00751 | 04.10 | 34.94 | 27.75 | | 1479.6 | | | | | | | |
| | STO | 00800 | 04.06 | 34.94 | 27.75 | 00.502 | 1480.2 | | | | | | | |
| | 085 | 00810 | 04.05 | 34.94 | 27.75 | | 1480.4 | | | | | | | |
| | 065 | 00850 | 04.01 | 34.95 | 27.77 | | 1480.9 | | | | | | | |
| | STO | 00900 | 03.90 | 34.94 | 27.77 | 00.544 | 1481.2 | | | | | | | |
| | 085 | 00900 | 03.90 | 34.94 | 27.77 | | 1481.2 | | | | | | | |
| | 065 | 00951 | 03.71 | 34.93 | 27.78 | | 1481.3 | | | | | | | |
| | STO | 01000 | 03.55 | 34.89 | 27.77 | 00.587 | 1481.4 | | | | | | | |
| | 085 | 01010 | 03.53 | 34.89 | 27.77 | | 1481.5 | | | | | | | |
| | 085 | 01056 | 03.47 | 34.89 | 27.77 | | 1462.0 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID | 31 | 8483 | YEAR 1975 | BOTOP 03462 | AIR TEMP | 10.9 | DIR HGT PER | WIND-DIR 13 | INST STC RECORDER | TEN SG 1306 |
|---|---|---|---|---|---|---|---|---|---|---|
| CONSEC | | 0040 | MONTH 05 | SHIP EV | WET BULB | 10.7 | 13 2 2 | WIND-SPD 14 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT | 44 | 34.8N | DAY 29 | DATA USE 1 | BAROMETR 1003.2 | | SEA | WIND-FOR | DURATION 00.6 | 2 SQUARE 46 |
| LONG | 047 | 57.0W | HOUR 15.5 | AREA 05 | CLOUD T/A | | CL/TR | WEATHER X5 | ORIG C11 819 13 | 1 SQUARE 47 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 06.28 | 33.84 | 26.62 | 00.000 | 1474.7 | | | | | | | |
| 15.5 | OBS | 00001 | 06.28 | 33.84 | 26.62 | | 1474.7 | | | | | | | |
| | STD | 00010 | 06.25 | 33.84 | 26.63 | 00.014 | 1474.7 | | | | | | | |
| | OBS | 00011 | 06.23 | 33.84 | 26.63 | | 1474.7 | | | | | | | |
| | OBS | 00019 | 06.07 | 33.80 | 26.62 | | 1474.1 | | | | | | | |
| | STD | 00020 | 06.06 | 33.81 | 26.62 | 00.028 | 1474.0 | | | | | | | |
| | OBS | 00020 | 06.04 | 33.81 | 26.63 | | 1474.0 | | | | | | | |
| | OBS | 00024 | 05.96 | 33.83 | 26.66 | | 1473.8 | | | | | | | |
| | STD | 00030 | 06.12 | 33.88 | 26.68 | 00.042 | 1474.6 | | | | | | | |
| | OBS | 00032 | 06.15 | 33.51 | 26.65 | | 1474.5 | | | | | | | |
| | OBS | 00047 | 06.57 | 34.07 | 26.77 | | 1476.9 | | | | | | | |
| | STD | 00050 | 06.68 | 34.11 | 26.78 | 00.065 | 1477.5 | | | | | | | |
| | OBS | 00053 | 06.84 | 34.20 | 26.83 | | 1478.2 | | | | | | | |
| | OBS | 00057 | 07.66 | 34.34 | 26.83 | | 1481.7 | | | | | | | |
| | OBS | 00062 | 08.30 | 34.45 | 26.85 | | 1484.4 | | | | | | | |
| | OBS | 00064 | 07.27 | 34.31 | 26.86 | | 1480.3 | | | | | | | |
| | OBS | 00074 | 07.36 | 34.43 | 26.94 | | 1480.9 | | | | | | | |
| | STD | 00075 | 07.28 | 34.45 | 26.97 | 00.099 | 1480.6 | | | | | | | |
| | OBS | 00076 | 07.18 | 34.48 | 27.01 | | 1480.3 | | | | | | | |
| | OBS | 00087 | 07.67 | 34.64 | 27.06 | | 1482.6 | | | | | | | |
| | OBS | 00097 | 07.43 | 34.63 | 27.09 | | 1481.8 | | | | | | | |
| | STD | 00100 | 07.52 | 34.64 | 27.09 | 00.125 | 1482.3 | | | | | | | |
| | OBS | 00106 | 07.58 | 34.66 | 27.09 | | 1482.6 | | | | | | | |
| | OBS | 00119 | 07.07 | 34.61 | 27.12 | | 1480.8 | | | | | | | |
| | STD | 00125 | 07.22 | 34.65 | 27.13 | 00.150 | 1481.5 | | | | | | | |
| | OBS | 00125 | 07.24 | 34.65 | 27.13 | | 1481.6 | | | | | | | |
| | STD | 00150 | 07.41 | 34.73 | 27.17 | 00.174 | 1482.8 | | | | | | | |
| | OBS | 00152 | 07.42 | 34.74 | 27.18 | | 1482.8 | | | | | | | |
| | OBS | 00161 | 07.43 | 34.72 | 27.16 | | 1483.0 | | | | | | | |
| | OBS | 00165 | 07.95 | 34.88 | 27.21 | | 1485.3 | | | | | | | |
| | OBS | 00177 | 07.97 | 34.85 | 27.21 | | 1485.6 | | | | | | | |
| | OBS | 00180 | 08.06 | 34.93 | 27.23 | | 1486.0 | | | | | | | |
| | OBS | 00190 | 07.68 | 34.87 | 27.24 | | 1484.6 | | | | | | | |
| | OBS | 00194 | 07.16 | 34.76 | 27.23 | | 1482.5 | | | | | | | |
| | OBS | 00198 | 06.21 | 34.60 | 27.23 | | 1478.6 | | | | | | | |
| | STD | 00200 | 06.23 | 34.61 | 27.24 | 00.219 | 1478.8 | | | | | | | |
| | OBS | 00209 | 06.30 | 34.67 | 27.27 | | 1479.3 | | | | | | | |
| | OBS | 00211 | 05.48 | 34.56 | 27.29 | | 1475.9 | | | | | | | |
| | OBS | 00213 | 05.48 | 34.55 | 27.29 | | 1475.8 | | | | | | | |
| | OBS | 00222 | 04.86 | 34.51 | 27.32 | | 1473.4 | | | | | | | |
| | OBS | 00236 | 05.17 | 34.57 | 27.34 | | 1475.0 | | | | | | | |
| | OBS | 00239 | 04.39 | 34.49 | 27.36 | | 1471.7 | | | | | | | |
| | OBS | 00245 | 04.03 | 34.44 | 27.36 | | 1470.3 | | | | | | | |
| | OBS | 00247 | 03.94 | 34.45 | 27.38 | | 1469.5 | | | | | | | |
| | OBS | 00249 | 03.63 | 34.40 | 27.37 | | 1468.6 | | | | | | | |
| | STD | 00250 | 03.73 | 34.42 | 27.37 | 00.259 | 1469.0 | | | | | | | |
| | OBS | 00257 | 04.44 | 34.56 | 27.41 | | 1472.3 | | | | | | | |
| | OBS | 00266 | 04.10 | 34.56 | 27.45 | | 1471.1 | | | | | | | |
| | OBS | 00274 | 04.73 | 34.67 | 27.47 | | 1474.0 | | | | | | | |
| | OBS | 00276 | 04.78 | 34.66 | 27.45 | | 1474.2 | | | | | | | |
| | STD | 00300 | 04.80 | 34.70 | 27.48 | 00.293 | 1474.7 | | | | | | | |
| | OBS | 00304 | 04.80 | 34.70 | 27.48 | | 1474.8 | | | | | | | |
| | OBS | 00329 | 04.58 | 34.71 | 27.51 | | 1474.3 | | | | | | | |
| | OBS | 00338 | 04.17 | 34.65 | 27.51 | | 1472.7 | | | | | | | |
| | OBS | 00352 | 03.71 | 34.65 | 27.56 | | 1471.0 | | | | | | | |
| | OBS | 00363 | 03.90 | 34.70 | 27.58 | | 1472.0 | | | | | | | |
| | OBS | 00373 | 04.46 | 34.77 | 27.58 | | 1474.6 | | | | | | | |
| | OBS | 00375 | 04.46 | 34.76 | 27.57 | | 1474.6 | | | | | | | |
| | OBS | 00382 | 05.03 | 34.87 | 27.59 | | 1477.3 | | | | | | | |
| | OBS | 00390 | 05.03 | 34.86 | 27.58 | | 1477.4 | | | | | | | |
| | STD | 00400 | 04.77 | 34.84 | 27.60 | 00.353 | 1476.5 | | | | | | | |
| | OBS | 00401 | 04.74 | 34.84 | 27.60 | | 1476.3 | | | | | | | |
| | OBS | 00453 | 04.61 | 34.86 | 27.63 | | 1476.7 | | | | | | | |
| | STD | 00500 | 04.66 | 34.91 | 27.66 | 00.405 | 1477.7 | | | | | | | |
| | OBS | 00500 | 04.66 | 34.91 | 27.66 | | 1477.7 | | | | | | | |
| | OBS | 00550 | 04.71 | 34.95 | 27.69 | | 1478.8 | | | | | | | |
| | STD | 00600 | 04.80 | 34.98 | 27.71 | 00.453 | 1480.1 | | | | | | | |
| | OBS | 00616 | 04.80 | 34.95 | 27.71 | | 1480.3 | | | | | | | |
| | OBS | 00658 | 04.74 | 35.00 | 27.73 | | 1480.8 | | | | | | | |
| | STD | 00700 | 04.59 | 34.95 | 27.74 | 00.499 | 1480.9 | | | | | | | |
| | OBS | 00704 | 04.58 | 34.99 | 27.74 | | 1480.9 | | | | | | | |
| | OBS | 00751 | 04.60 | 35.01 | 27.75 | | 1481.8 | | | | | | | |
| | STD | 00800 | 04.45 | 34.98 | 27.74 | 00.544 | 1481.9 | | | | | | | |
| | OBS | 00801 | 04.44 | 34.98 | 27.74 | | 1481.9 | | | | | | | |
| | OBS | 00850 | 04.21 | 34.96 | 27.75 | | 1481.7 | | | | | | | |
| | STD | 00900 | 04.01 | 34.94 | 27.76 | 00.588 | 1481.7 | | | | | | | |
| | OBS | 00902 | 04.00 | 34.94 | 27.76 | | 1481.7 | | | | | | | |
| | OBS | 00951 | 03.88 | 34.93 | 27.76 | | 1482.0 | | | | | | | |
| | STD | 01000 | 03.81 | 34.93 | 27.77 | 00.631 | 1482.5 | | | | | | | |
| | OBS | 01001 | 03.81 | 34.93 | 27.77 | | 1482.5 | | | | | | | |
| | OBS | 01052 | 03.74 | 34.92 | 27.77 | | 1483.1 | | | | | | | |

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NODC STATION DATA

REFID 31 8463    YEAR 1975    BDTDP 00084    AIR TEMP  03.9    DIR HGT PER    WIND-DIR 23    INST STD RECORCER    TEN SQ 1306
CONSEC    0041    MONTH 05    SHIP EV        WET BULB  03.9    20   0   3    WIND-SPD 18    TRACE DIR        0    5 SQUARE  2
LAT    44 51.0N    DAY   29    DATA USE  1    BARCMETR 0994.2    SEA              WIND-FDR            DURATION      00.0    2 SQUARE 48
LONG  045 20.0W    HOUR 23.1   AREA    05    CLOUD T/A          CL/TR            WEATHER  X2    ORIG 011 820    1 SQUARE 45

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SID3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|      | STD | 00000 | 01.54 | 32.78 | 26.25 | 00.000 | 1453.2 | | | | | | | |
| 23.1 | OBS | 00005 | 01.54 | 32.78 | 26.25 |        | 1453.3 | | | | | | | |
|      | STD | 00010 | 01.51 | 32.80 | 26.27 | 00.018 | 1453.2 | | | | | | | |
|      | STD | 00020 | 01.43 | 32.84 | 26.31 | 00.035 | 1453.0 | | | | | | | |
|      | OBS | 00020 | 01.40 | 32.84 | 26.31 |        | 1453.0 | | | | | | | |
|      | STD | 00030 | 01.28 | 32.85 | 26.32 | 00.052 | 1452.6 | | | | | | | |
|      | OBS | 00034 | 01.21 | 32.85 | 26.33 |        | 1452.4 | | | | | | | |
|      | STD | 00050 | 00.92 | 32.87 | 26.36 | 00.086 | 1451.3 | | | | | | | |
|      | OBS | 00053 | 00.82 | 32.88 | 26.38 |        | 1451.0 | | | | | | | |
|      | OBS | 00062 | 00.46 | 32.92 | 26.43 |        | 1449.5 | | | | | | | |
|      | OBS | 00064 | - 0.13 | 33.02 | 26.54 |        | 1447.0 | | | | | | | |
|      | STD | 00075 | - 0.17 | 33.03 | 26.55 | 00.126 | 1447.0 | | | | | | | |
|      | OBS | 00076 | - 0.17 | 33.03 | 26.55 |        | 1447.0 | | | | | | | |
|      | OBS | 00083 | - 0.16 | 33.04 | 26.55 |        | 1447.2 | | | | | | | |

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REFID 31 8463    YEAR 1975    BDTDP 00082    AIR TEMP  03.6    DIR HGT PER    WIND-DIR 22    INST STD RECORDER    TEN SQ 1306
CONSEC    0042    MONTH 05    SHIP EV        WET BULB  03.4    22   2   3    WIND-SPD 20    TRACE DIR        0    5 SQUARE  2
LAT    44 40.3N    DAY   30    DATA USE  1    BAROMETR 0995.7    SEA              WIND-FDR            DURATION      00.0    2 SQUARE 48
LONG  049 27.0W    HOUR 01.7   AREA    05    CLOUD T/A          CL/TR            WEATHER  X2    ORIG 011 821    1 SQUARE 45

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SID3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|      | STD | 00000 | 01.38 | 32.83 | 26.30 | 00.000 | 1452.5 | | | | | | | |
| 01.7 | OBS | 00000 | 01.38 | 32.83 | 26.30 |        | 1452.5 | | | | | | | |
|      | STD | 00010 | 01.38 | 32.84 | 26.31 | 00.017 | 1452.7 | | | | | | | |
|      | OBS | 00011 | 01.37 | 32.84 | 26.31 |        | 1452.7 | | | | | | | |
|      | STD | 00020 | 01.27 | 32.85 | 26.32 | 00.034 | 1452.4 | | | | | | | |
|      | OBS | 00020 | 01.25 | 32.85 | 26.33 |        | 1452.3 | | | | | | | |
|      | STD | 00030 | 01.05 | 32.88 | 26.36 | 00.051 | 1451.6 | | | | | | | |
|      | OBS | 00034 | 00.92 | 32.89 | 26.38 |        | 1451.1 | | | | | | | |
|      | OBS | 00047 | 00.38 | 32.91 | 26.42 |        | 1449.9 | | | | | | | |
|      | STD | 00050 | 00.34 | 32.94 | 26.45 | 00.084 | 1448.8 | | | | | | | |
|      | OBS | 00051 | 00.32 | 32.95 | 26.46 |        | 1448.6 | | | | | | | |
|      | OBS | 00053 | 00.31 | 32.94 | 26.45 |        | 1448.7 | | | | | | | |

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REFID 31 8463    YEAR 1975    BDTDP 00106    AIR TEMP  02.7    DIR HGT PER    WIND-DIR 22    INST STD RECDROER    TEN SQ 1306
CONSEC    0043    MONTH 05    SHIP EV        WET BULB  01.0    25   1   2    WIND-SPD 20    TRACE DIR        0    5 SQUARE  2
LAT    44 38.0N    DAY   30    DATA USE  1    BAROMETR 0995.0    SEA              WIND-FDR            DURATION      00.0    2 SQUARE 48
LONG  045 08.3W    HOUR 02.9   AREA    05    CLOUD T/A          CL/TR            WEATHER  A4    ORIG 011 822    1 SQUARE 45

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SID3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|      | STD | 00000 | 00.72 | 32.67 | 26.37 | 00.000 | 1449.6 | | | | | | | |
| 02.9 | OBS | 00001 | 00.72 | 32.87 | 26.37 |        | 1449.7 | | | | | | | |
|      | STD | 00010 | 00.72 | 32.66 | 26.37 | 00.017 | 1449.8 | | | | | | | |
|      | OBS | 00011 | 00.72 | 32.66 | 26.37 |        | 1449.8 | | | | | | | |
|      | OBS | 00015 | 00.67 | 32.68 | 26.38 |        | 1449.7 | | | | | | | |
|      | STD | 00020 | 00.39 | 32.88 | 26.40 | 00.033 | 1448.5 | | | | | | | |
|      | OBS | 00022 | 00.31 | 32.90 | 26.42 |        | 1448.2 | | | | | | | |
|      | OBS | 00026 | 00.29 | 32.94 | 26.45 |        | 1448.2 | | | | | | | |
|      | OBS | 00028 | - 0.38 | 33.01 | 26.54 |        | 1445.2 | | | | | | | |
|      | STD | 00030 | - 0.45 | 33.03 | 26.56 | 00.045 | 1445.0 | | | | | | | |
|      | OBS | 00034 | - 0.44 | 33.07 | 26.60 |        | 1444.2 | | | | | | | |
|      | STD | 00050 | - 0.74 | 33.12 | 26.64 | 00.076 | 1444.1 | | | | | | | |
|      | OBS | 00051 | - 0.75 | 33.12 | 26.64 |        | 1444.1 | | | | | | | |
|      | STD | 00075 | - 0.84 | 33.15 | 26.67 | 00.113 | 1444.1 | | | | | | | |
|      | OBS | 00083 | - 0.86 | 33.15 | 26.67 |        | 1444.1 | | | | | | | |
|      | OBS | 00059 | - 0.69 | 33.15 | 26.67 |        | 1444.2 | | | | | | | |
|      | STD | 00100 | - 0.69 | 33.15 | 26.67 | 00.147 | 1444.2 | | | | | | | |
|      | OBS | 00100 | - 0.69 | 33.15 | 26.67 |        | 1444.3 | | | | | | | |

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TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| PERIOD 31 8463 | YEAR 1975 | BOTTOP 01372 | AIR TEMP 03.3 | DIR HGT PER | WIND-DIR 22 | INST STD RECORDER | TEN SO 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0044 | MONTH 05 | SHIP EV | WET BULB 02.8 | 17 1 2 | WIND-SPD 16 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 34.0N | DAY 30 | DATA USE 1 | BAROMETR 0993.1 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 46 |
| LONG 048 54.5W | HOUR 04.0 | AREA 05 | CLCUD T/A | CL/TP | WEATHER X2 | ORIG 011 823 | 1 SQUARE 46 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 00.60 | 33.01 | 26.49 | 00.000 | 1449.3 | | | | | | | |
| 04.0 | OBS | 00003 | 00.60 | 33.01 | 26.49 | | 1449.3 | | | | | | | |
| | STD | 00010 | 00.59 | 33.01 | 26.49 | 00.015 | 1449.4 | | | | | | | |
| | OBS | 00011 | 00.59 | 33.01 | 26.49 | | 1449.4 | | | | | | | |
| | STD | 00020 | 00.55 | 33.02 | 26.50 | 00.031 | 1449.4 | | | | | | | |
| | OBS | 00020 | 00.55 | 33.02 | 26.50 | | 1449.4 | | | | | | | |
| | STD | 00030 | 00.46 | 33.02 | 26.51 | 00.046 | 1449.2 | | | | | | | |
| | OBS | 00034 | 00.45 | 33.04 | 26.52 | | 1449.2 | | | | | | | |
| | OBS | 00047 | 00.51 | 33.17 | 26.63 | | 1449.9 | | | | | | | |
| | OBS | 00049 | 00.15 | 33.18 | 26.65 | | 1448.3 | | | | | | | |
| | STD | 00050 | 00.04 | 33.19 | 26.67 | 00.075 | 1447.8 | | | | | | | |
| | OBS | 00053 | - 0.56 | 33.24 | 26.73 | | 1445.1 | | | | | | | |
| | OBS | 00064 | - 0.94 | 33.36 | 26.84 | | 1443.7 | | | | | | | |
| | STD | 00075 | - 0.63 | 33.38 | 26.86 | 00.108 | 1444.4 | | | | | | | |
| | OBS | 00076 | - 0.80 | 33.39 | 26.86 | | 1444.6 | | | | | | | |
| | STD | 00100 | - 0.55 | 33.48 | 26.93 | 00.137 | 1446.3 | | | | | | | |
| | OBS | 00102 | - 0.53 | 33.49 | 26.93 | | 1446.4 | | | | | | | |
| | STD | 00125 | - 0.43 | 33.52 | 26.96 | 00.165 | 1447.3 | | | | | | | |
| | OBS | 00127 | - 0.42 | 33.53 | 26.96 | | 1447.4 | | | | | | | |
| | STD | 00150 | - 0.26 | 33.59 | 27.00 | 00.192 | 1448.6 | | | | | | | |
| | OBS | 00150 | - 0.25 | 33.59 | 27.00 | | 1448.7 | | | | | | | |
| | OBS | 00161 | 00.04 | 33.71 | 27.09 | | 1450.4 | | | | | | | |
| | OBS | 00175 | 00.63 | 33.89 | 27.20 | | 1453.5 | | | | | | | |
| | OBS | 00194 | 00.79 | 33.95 | 27.24 | | 1454.6 | | | | | | | |
| | OBS | 00199 | 01.24 | 34.13 | 27.35 | | 1457.0 | | | | | | | |
| | STD | 00200 | 01.24 | 34.13 | 27.35 | 00.237 | 1457.0 | | | | | | | |
| | OBS | 00207 | 01.26 | 34.12 | 27.34 | | 1457.2 | | | | | | | |
| | OBS | 00230 | 01.60 | 34.27 | 27.44 | | 1459.3 | | | | | | | |
| | STD | 00250 | 01.87 | 34.38 | 27.51 | 00.270 | 1461.0 | | | | | | | |
| | OBS | 00255 | 01.91 | 34.40 | 27.52 | | 1461.2 | | | | | | | |
| | OBS | 00277 | 01.94 | 34.40 | 27.52 | | 1461.8 | | | | | | | |
| | STD | 00300 | 02.04 | 34.44 | 27.54 | 00.295 | 1462.6 | | | | | | | |
| | OBS | 00302 | 02.05 | 34.44 | 27.54 | | 1462.7 | | | | | | | |
| | OBS | 00350 | 02.15 | 34.48 | 27.57 | | 1464.0 | | | | | | | |
| | STD | 00400 | 02.76 | 34.67 | 27.66 | 00.351 | 1467.7 | | | | | | | |
| | OBS | 00401 | 02.77 | 34.67 | 27.66 | | 1467.8 | | | | | | | |
| | OBS | 00453 | 03.05 | 34.72 | 27.68 | | 1469.9 | | | | | | | |
| | STD | 00500 | 03.19 | 34.75 | 27.69 | 00.397 | 1471.3 | | | | | | | |
| | OBS | 00500 | 03.19 | 34.75 | 27.69 | | 1471.3 | | | | | | | |
| | OBS | 00552 | 03.44 | 34.81 | 27.71 | | 1473.3 | | | | | | | |
| | STD | 00600 | 03.46 | 34.82 | 27.72 | 00.441 | 1474.2 | | | | | | | |
| | OBS | 00603 | 03.46 | 34.82 | 27.72 | | 1474.3 | | | | | | | |
| | OBS | 00652 | 03.50 | 34.82 | 27.72 | | 1475.3 | | | | | | | |
| | STD | 00700 | 03.52 | 34.83 | 27.72 | 00.485 | 1476.2 | | | | | | | |
| | OBS | 00702 | 03.52 | 34.83 | 27.72 | | 1476.2 | | | | | | | |
| | OBS | 00757 | 03.53 | 34.84 | 27.73 | | 1477.2 | | | | | | | |
| | STD | 00800 | 03.57 | 34.85 | 27.73 | 00.529 | 1478.1 | | | | | | | |
| | OBS | 00805 | 03.57 | 34.85 | 27.73 | | 1478.1 | | | | | | | |
| | OBS | 00860 | 03.53 | 34.85 | 27.74 | | 1478.9 | | | | | | | |
| | STD | 00900 | 03.52 | 34.85 | 27.74 | 00.574 | 1479.5 | | | | | | | |
| | OBS | 00900 | 03.52 | 34.85 | 27.74 | | 1479.5 | | | | | | | |
| | OBS | 00959 | 03.52 | 34.85 | 27.74 | | 1480.5 | | | | | | | |
| | STD | 01000 | 03.52 | 34.85 | 27.74 | 00.619 | 1481.2 | | | | | | | |
| | OBS | 01003 | 03.52 | 34.85 | 27.74 | | 1481.2 | | | | | | | |
| | OBS | 01050 | 03.50 | 34.85 | 27.74 | | 1481.5 | | | | | | | |

Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID 31 8463 | YEAR 1975 | BOTOP 03696 | AIR TEMP 02.5 | DIR HGT PER | WIND-DIR 21 | INST STD RECORDER | TEN SG 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0045 | MONTH 05 | SHIP EV | WET BULB 02.5 | SS A X | WIND-SPD 18 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 32.7N | DAY 30 | DATA USE 1 | BAROMETR 0994.8 | SEA | WIND-FOR | DURATION 00.2 | 2 SQUARE 48 |
| LONG 046 41.5W | HOUR 06.1 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X2 | ORIG 011 824 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 01.24 | 33.06 | 26.49 | 00.000 | 1452.2 | | | | | | | |
| 06.1 | OBS | 03000 | 01.24 | 33.06 | 26.49 | | 1452.2 | | | | | | | |
| | STD | 00010 | 01.24 | 33.06 | 26.49 | 00.015 | 1452.4 | | | | | | | |
| | OBS | 00010 | 01.24 | 33.06 | 26.49 | | 1452.4 | | | | | | | |
| | STD | 00020 | 01.25 | 93.07 | 26.50 | 00.031 | 1452.6 | | | | | | | |
| | OBS | 00020 | 01.25 | 33.07 | 26.50 | | 1452.6 | | | | | | | |
| | STD | 00030 | 01.31 | 33.16 | 26.57 | 00.046 | 1453.2 | | | | | | | |
| | OBS | 00030 | 01.31 | 33.16 | 26.57 | | 1453.2 | | | | | | | |
| | STD | 00050 | 01.40 | 33.33 | 26.70 | 00.074 | 1454.1 | | | | | | | |
| | OBS | 00050 | 01.40 | 33.33 | 26.70 | | 1454.1 | | | | | | | |
| | STD | 00075 | 01.80 | 33.88 | 27.11 | 00.103 | 1457.1 | | | | | | | |
| | OBS | 00075 | 01.80 | 33.88 | 27.11 | | 1457.1 | | | | | | | |
| | STD | 00100 | 01.24 | 34.04 | 27.28 | 00.125 | 1455.2 | | | | | | | |
| | OBS | 00100 | 01.24 | 34.04 | 27.28 | | 1455.2 | | | | | | | |
| | OBS | 00123 | 01.67 | 34.21 | 27.35 | | 1457.7 | | | | | | | |
| | STD | 00125 | 01.68 | 34.23 | 27.40 | 00.144 | 1457.8 | | | | | | | |
| | OBS | 00137 | 01.73 | 34.28 | 27.44 | | 1458.3 | | | | | | | |
| | STD | 00150 | 01.85 | 34.33 | 27.47 | 00.160 | 1459.2 | | | | | | | |
| | OBS | 00154 | 01.89 | 34.35 | 27.48 | | 1459.4 | | | | | | | |
| | OBS | 00178 | 02.04 | 34.41 | 27.52 | | 1460.6 | | | | | | | |
| | STD | 00200 | 02.13 | 34.46 | 27.55 | 00.190 | 1461.4 | | | | | | | |
| | OBS | 00207 | 02.15 | 34.47 | 27.56 | | 1461.6 | | | | | | | |
| | OBS | 00230 | 02.14 | 34.47 | 27.56 | | 1461.5 | | | | | | | |
| | OBS | 00241 | 01.99 | 34.50 | 27.59 | | 1461.5 | | | | | | | |
| | STD | 00250 | 02.20 | 34.54 | 27.61 | 00.218 | 1462.6 | | | | | | | |
| | OBS | 00258 | 02.39 | 34.58 | 27.63 | | 1463.7 | | | | | | | |
| | OBS | 00277 | 02.66 | 34.62 | 27.63 | | 1465.2 | | | | | | | |
| | STD | 00300 | 02.78 | 34.65 | 27.65 | 00.241 | 1466.1 | | | | | | | |
| | OBS | 00306 | 02.82 | 34.66 | 27.65 | | 1466.4 | | | | | | | |
| | OBS | 00352 | 03.07 | 34.71 | 27.67 | | 1468.3 | | | | | | | |
| | STD | 00400 | 03.76 | 34.86 | 27.72 | 00.285 | 1472.2 | | | | | | | |
| | OBS | 00401 | 03.77 | 34.86 | 27.72 | | 1472.3 | | | | | | | |
| | OBS | 00468 | 03.71 | 34.85 | 27.72 | | 1473.2 | | | | | | | |
| | STD | 00500 | 03.89 | 34.88 | 27.72 | 00.328 | 1474.5 | | | | | | | |
| | OBS | 00504 | 03.89 | 34.88 | 27.72 | | 1474.6 | | | | | | | |
| | OBS | 00550 | 03.64 | 34.86 | 27.73 | | 1474.2 | | | | | | | |
| | OBS | 00563 | 03.88 | 34.87 | 27.74 | | 1474.6 | | | | | | | |
| | OBS | 00571 | 03.95 | 34.91 | 27.74 | | 1475.9 | | | | | | | |
| | STD | 00600 | 03.93 | 34.90 | 27.74 | 00.371 | 1476.3 | | | | | | | |
| | OBS | 00637 | 03.91 | 34.90 | 27.74 | | 1476.4 | | | | | | | |
| | OBS | 00651 | 03.66 | 34.86 | 27.73 | | 1476.0 | | | | | | | |
| | STD | 00700 | 03.59 | 34.87 | 27.75 | 00.413 | 1476.5 | | | | | | | |
| | OBS | 00702 | 03.59 | 34.87 | 27.75 | | 1476.6 | | | | | | | |
| | OBS | 00753 | 03.55 | 34.87 | 27.75 | | 1477.2 | | | | | | | |
| | STD | 00800 | 03.53 | 34.87 | 27.75 | 00.455 | 1477.9 | | | | | | | |
| | OBS | 00805 | 03.53 | 34.87 | 27.75 | | 1478.0 | | | | | | | |
| | OBS | 00856 | 03.53 | 34.66 | 27.74 | | 1478.9 | | | | | | | |
| | STD | 00900 | 03.52 | 34.87 | 27.75 | 00.498 | 1479.6 | | | | | | | |
| | OBS | 00908 | 03.52 | 34.87 | 27.75 | | 1479.7 | | | | | | | |
| | OBS | 00957 | 03.50 | 34.87 | 27.76 | | 1480.4 | | | | | | | |
| | STD | 01000 | 03.51 | 34.87 | 27.75 | 00.541 | 1481.2 | | | | | | | |
| | OBS | 01010 | 03.51 | 34.87 | 27.75 | | 1481.4 | | | | | | | |
| | OBS | 01058 | 03.52 | 34.88 | 27.76 | | 1482.2 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFIC 31 8463 | YEAR 1975 | BOTOP 03319 | AIR TEMP 03.4 | DIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0046 | MONTH 05 | SHIP EV | WET BULB 03.4 | 23 2 5 | WIND-SPD 20 | TRACE CIR      D | 5 SQUARE 2 |
| LAT 44 27.2N | DAY 30 | DATA USE 1 | BARCHETR 0964.6 | SEA | WIND-FOR | DURATION      00.4 | 2 SQUARE 48 |
| LONG 048 16.8N | HOUR 09.3 | AREA 05 | CLEUD T/A | EL/TR | WEATHER X2 | OREO 011 625 | 1 SQUARE 48 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYO | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | STO | 00000 | 03.53 | 33.22 | 26.44 | 00.000 | 1462.5 | | | | | | | |
| 09.3 | OBS | 00003 | 03.53 | 33.225 | 26.44 | | 1462.5 | | | | | | | |
|  | OBS | 00005 | 03.55 | 33.215 | 26.43 | | 1462.6 | | | | | | | |
|  | STO | 00010 | 03.53 | 33.22 | 26.44 | 00.016 | 1462.7 | | | | | | | |
|  | STO | 00020 | 03.54 | 33.22 | 26.44 | 00.032 | 1462.8 | | | | | | | |
|  | STO | 00030 | 03.53 | 33.22 | 26.44 | 00.048 | 1463.0 | | | | | | | |
|  | OBS | 00030 | 03.53 | 33.22 | 26.44 | | 1463.C | | | | | | | |
|  | OBS | 00036 | 02.05 | 33.23 | 26.57 | | 1456.7 | | | | | | | |
|  | OBS | 00041 | 02.01 | 33.25 | 26.59 | | 1456.6 | | | | | | | |
|  | OBS | 00047 | 05.29 | 33.66 | 26.60 | | 1471.2 | | | | | | | |
|  | STO | 00050 | 04.28 | 33.53 | 26.61 | 00.078 | 1466.9 | | | | | | | |
|  | OBS | 00055 | 02.14 | 33.50 | 26.78 | | 1457.7 | | | | | | | |
|  | OBS | 00059 | 00.61 | 33.7C | 27.05 | | 1451.2 | | | | | | | |
|  | OBS | 00072 | 01.83 | 33.81 | 27.05 | | 1457.1 | | | | | | | |
|  | OBS | 00074 | 02.15 | 33.87 | 27.08 | | 1458.6 | | | | | | | |
|  | STO | 00075 | 02.18 | 33.87 | 27.07 | 00.109 | 1458.7 | | | | | | | |
|  | OBS | 00078 | 02.28 | 33.86 | 27.06 | | 1459.2 | | | | | | | |
|  | OBS | 00079 | 02.35 | 33.92 | 27.10 | | 1459.6 | | | | | | | |
|  | OBS | 00081 | 01.83 | 33.89 | 27.12 | | 1457.3 | | | | | | | |
|  | OBS | 00085 | 02.28 | 33.94 | 27.12 | | 1459.4 | | | | | | | |
|  | OBS | 00095 | 02.68 | 34.11 | 27.23 | | 1461.6 | | | | | | | |
|  | STO | 00100 | 02.80 | 34.16 | 27.26 | 00.132 | 1462.2 | | | | | | | |
|  | OBS | 00102 | 02.94 | 34.20 | 27.27 | | 1463.0 | | | | | | | |
|  | OBS | 00114 | 04.10 | 34.44 | 27.35 | | 1468.4 | | | | | | | |
|  | STO | 00125 | 04.23 | 34.48 | 27.37 | 00.151 | 1469.2 | | | | | | | |
|  | OBS | 00125 | 04.24 | 34.48 | 27.37 | | 1469.2 | | | | | | | |
|  | OBS | 00135 | 04.30 | 34.47 | 27.35 | | 1469.6 | | | | | | | |
|  | OBS | 00140 | 05.11 | 34.66 | 27.41 | | 1473.3 | | | | | | | |
|  | STO | 00150 | 05.11 | 34.63 | 27.39 | 00.169 | 1473.4 | | | | | | | |
|  | OBS | 00152 | 05.09 | 34.63 | 27.39 | | 1473.4 | | | | | | | |
|  | OBS | 00177 | 04.47 | 34.61 | 27.45 | | 1471.2 | | | | | | | |
|  | OBS | 00184 | 04.50 | 34.64 | 27.47 | | 1471.5 | | | | | | | |
|  | OBS | 00190 | 04.73 | 34.70 | 27.49 | | 1472.6 | | | | | | | |
|  | STO | 00200 | 04.68 | 34.70 | 27.49 | 00.203 | 1472.6 | | | | | | | |
|  | OBS | 00213 | 04.61 | 34.69 | 27.50 | | 1472.5 | | | | | | | |
|  | OBS | 00215 | 04.75 | 34.70 | 27.49 | | 1473.1 | | | | | | | |
|  | OBS | 00226 | 04.40 | 34.72 | 27.54 | | 1471.9 | | | | | | | |
|  | OBS | 00243 | 04.48 | 34.78 | 27.58 | | 1472.6 | | | | | | | |
|  | STO | 00250 | 04.75 | 34.83 | 27.59 | 00.232 | 1473.9 | | | | | | | |
|  | OBS | 00257 | 04.98 | 34.87 | 27.60 | | 1475.0 | | | | | | | |
|  | OBS | 00277 | 05.18 | 34.89 | 27.59 | | 1476.2 | | | | | | | |
|  | OBS | 00287 | 04.70 | 34.84 | 27.60 | | 1474.3 | | | | | | | |
|  | OBS | 00291 | 04.67 | 34.85 | 27.62 | | 1474.2 | | | | | | | |
|  | STO | 00300 | 04.95 | 34.90 | 27.62 | 00.258 | 1475.6 | | | | | | | |
|  | OBS | 00302 | 04.97 | 34.90 | 27.62 | | 1475.7 | | | | | | | |
|  | OBS | 00327 | 03.71 | 34.73 | 27.62 | | 1470.7 | | | | | | | |
|  | OBS | 00346 | 04.21 | 34.85 | 27.67 | | 1473.2 | | | | | | | |
|  | OBS | 00357 | 04.77 | 34.92 | 27.66 | | 1475.9 | | | | | | | |
|  | OBS | 00363 | 04.79 | 34.93 | 27.67 | | 1476.0 | | | | | | | |
|  | OBS | 00378 | 05.50 | 35.06 | 27.68 | | 1479.4 | | | | | | | |
|  | OBS | 00395 | 05.54 | 35.06 | 27.68 | | 1479.8 | | | | | | | |
|  | STO | 00400 | 05.45 | 35.05 | 27.68 | 00.308 | 1479.5 | | | | | | | |
|  | OBS | 00411 | 05.25 | 35.02 | 27.68 | | 1478.8 | | | | | | | |
|  | OBS | 00454 | 05.00 | 35.00 | 27.70 | | 1478.5 | | | | | | | |
|  | OBS | 00460 | 04.91 | 34.99 | 27.70 | | 1478.2 | | | | | | | |
|  | OBS | 00470 | 04.48 | 34.93 | 27.70 | | 1476.5 | | | | | | | |
|  | STO | 00500 | 04.77 | 34.99 | 27.72 | 00.354 | 1478.3 | | | | | | | |
|  | OBS | 00506 | 04.80 | 35.00 | 27.72 | | 1478.5 | | | | | | | |
|  | OBS | 00550 | 04.72 | 35.00 | 27.73 | | 1478.9 | | | | | | | |
|  | STO | 00600 | 04.65 | 35.00 | 27.74 | 00.398 | 1479.5 | | | | | | | |
|  | OBS | 00609 | 04.63 | 35.00 | 27.74 | | 1479.5 | | | | | | | |
|  | OBS | 00651 | 04.52 | 34.99 | 27.74 | | 1479.8 | | | | | | | |
|  | STO | 00700 | 04.48 | 35.00 | 27.76 | 00.441 | 1480.4 | | | | | | | |
|  | OBS | 00702 | 04.47 | 35.00 | 27.76 | | 1480.4 | | | | | | | |
|  | OBS | 00734 | 04.20 | 34.96 | 27.75 | | 1479.8 | | | | | | | |
|  | OBS | 00755 | 04.25 | 34.96 | 27.75 | | 1480.3 | | | | | | | |
|  | STO | 00800 | 04.10 | 34.94 | 27.75 | 00.484 | 1480.4 | | | | | | | |
|  | OBS | 00805 | 04.09 | 34.94 | 27.75 | | 1480.5 | | | | | | | |
|  | OBS | 00852 | 04.09 | 34.96 | 27.77 | | 1481.3 | | | | | | | |
|  | STO | 00900 | 03.95 | 34.94 | 27.77 | 00.527 | 1481.5 | | | | | | | |
|  | OBS | 00900 | 03.95 | 34.94 | 27.77 | | 1481.5 | | | | | | | |
|  | OBS | 00951 | 03.87 | 34.92 | 27.76 | | 1482.0 | | | | | | | |
|  | STO | 01000 | 03.91 | 34.94 | 27.77 | 00.570 | 1482.9 | | | | | | | |
|  | OBS | 01001 | 03.91 | 34.94 | 27.77 | | 1483.0 | | | | | | | |
|  | OBS | 01046 | 03.82 | 34.93 | 27.77 | | 1483.4 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

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REFIC 31 8463   YEAR 1975   BOTOP 02372   AIR TEMP 08.0   DIR HGT PER   WIND-DIR 23   INST STD RECORDER   TEN SQ 1506
CONSEC   3347   MONTH 05   SHIP EV   WET BULB 05.9   21   4   5   WIND-SPD 30   TRACE DIR   0   5 SQUARE 2
LAT   44 23.7N   DAY   30   DATA USE 1   BARCMETR 0993.0   SEA   WIND-FOR   DURATION   00.4   2 SQUARE 46
LONG   047 52.4W   HOUR 12.0   AREA   05   CLCUD T/A   CL/TR   WEATHER A2   ORIG 011 826   07   1 SQUARE 47
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| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 10.02 | 34.87 | 26.87 | 00.000 | 1450.3 | | | | | | | |
| 12.0 | OBS | 00001 | 10.02 | 34.87 | 26.87 | | 1450.3 | | | | | | | |
| | STO | 00010 | 10.03 | 34.86 | 26.86 | 00.012 | 1450.5 | | | | | | | |
| | OBS | 00011 | 10.03 | 34.86 | 26.86 | | 1450.5 | | | | | | | |
| | STO | 00020 | 10.03 | 34.86 | 26.86 | 00.024 | 1450.7 | | | | | | | |
| | STO | 00030 | 10.04 | 34.86 | 26.86 | 00.036 | 1450.8 | | | | | | | |
| | OBS | 00032 | 10.04 | 34.86 | 26.86 | | 1450.9 | | | | | | | |
| | OBS | 00036 | 10.05 | 34.89 | 26.88 | | 1451.0 | | | | | | | |
| | OBS | 00045 | 10.64 | 35.03 | 26.88 | | 1453.5 | | | | | | | |
| | STO | 00050 | 10.80 | 35.11 | 26.91 | 00.060 | 1454.2 | | | | | | | |
| | OBS | 00057 | 11.11 | 35.22 | 26.95 | | 1455.6 | | | | | | | |
| | OBS | 00066 | 11.63 | 35.34 | 26.94 | | 1457.7 | | | | | | | |
| | STO | 00075 | 11.76 | 35.36 | 26.94 | 00.089 | 1458.3 | | | | | | | |
| | OBS | 00078 | 11.79 | 35.37 | 26.93 | | 1458.5 | | | | | | | |
| | STO | 00100 | 11.86 | 35.43 | 26.96 | 00.117 | 1459.2 | | | | | | | |
| | OBS | 00100 | 11.88 | 35.43 | 26.96 | | 1459.3 | | | | | | | |
| | STO | 00125 | 11.60 | 35.37 | 26.97 | 00.145 | 1458.6 | | | | | | | |
| | OBS | 00125 | 11.58 | 35.37 | 26.97 | | 1458.5 | | | | | | | |
| | OBS | 00140 | 11.02 | 35.29 | 27.02 | | 1456.7 | | | | | | | |
| | STO | 00150 | 10.03 | 35.14 | 27.07 | 00.172 | 1453.1 | | | | | | | |
| | OBS | 00152 | 09.96 | 35.13 | 27.08 | | 1452.9 | | | | | | | |
| | OBS | 00159 | 10.27 | 35.21 | 27.09 | | 1454.3 | | | | | | | |
| | OBS | 00175 | 10.00 | 35.16 | 27.10 | | 1453.5 | | | | | | | |
| | OBS | 00186 | 09.50 | 35.07 | 27.11 | | 1451.7 | | | | | | | |
| | OBS | 00190 | 08.80 | 34.96 | 27.14 | | 1449.0 | | | | | | | |
| | OBS | 00194 | 08.78 | 34.96 | 27.14 | | 1449.0 | | | | | | | |
| | STO | 00200 | 08.55 | 34.95 | 27.17 | 00.222 | 1448.2 | | | | | | | |
| | OBS | 00203 | 08.41 | 34.86 | 27.12 * | | 1447.6 | | | | | | | |
| | OBS | 00205 | 07.94 | 34.79 | 27.14 | | 1445.8 | | | | | | | |
| | OBS | 00226 | 07.76 | 34.82 | 27.19 | | 1445.5 | | | | | | | |
| | STO | 00250 | 07.87 | 34.88 | 27.22 | 00.268 | 1446.4 | | | | | | | |
| | OBS | 00251 | 07.89 | 34.88 | 27.22 | | 1446.5 | | | | | | | |
| | OBS | 00255 | 07.96 | 34.89 | 27.21 | | 1446.8 | | | | | | | |
| | OBS | 00266 | 07.89 | 34.94 | 27.26 | | 1446.8 | | | | | | | |
| | OBS | 00268 | 07.51 | 34.89 | 27.28 | | 1445.3 | | | | | | | |
| | OBS | 00281 | 07.37 | 34.85 | 27.27 | | 1444.9 | | | | | | | |
| | OBS | 00291 | 06.83 | 34.74 | 27.26 | | 1442.8 | | | | | | | |
| | OBS | 00293 | 06.26 | 34.74 | 27.33 | | 1440.6 | | | | | | | |
| | STO | 00300 | 05.99 | 34.72 | 27.35 | 00.310 | 1479.6 | | | | | | | |
| | OBS | 00300 | 05.97 | 34.72 | 27.36 | | 1479.5 | | | | | | | |
| | OBS | 00312 | 05.90 | 34.72 | 27.37 | | 1479.4 | | | | | | | |
| | OBS | 00317 | 06.83 | 34.94 | 27.42 | | 1483.5 | | | | | | | |
| | OBS | 00333 | 06.33 | 34.84 | 27.40 | | 1481.7 | | | | | | | |
| | OBS | 00352 | 06.04 | 34.81 | 27.42 | | 1480.8 | | | | | | | |
| | OBS | 00357 | 05.91 | 34.79 | 27.42 | | 1480.3 | | | | | | | |
| | OBS | 00363 | 05.56 | 34.75 | 27.43 | | 1479.0 | | | | | | | |
| | OBS | 00369 | 05.49 | 34.71 | 27.41 | | 1478.7 | | | | | | | |
| | OBS | 00373 | 05.22 | 34.68 | 27.42 | | 1477.6 | | | | | | | |
| | OBS | 00390 | 04.95 | 34.76 | 27.51 | | 1476.9 | | | | | | | |
| | OBS | 00394 | 05.48 | 34.84 | 27.51 | | 1479.2 | | | | | | | |
| | OBS | 00399 | 05.63 | 34.88 | 27.53 | | 1480.0 | | | | | | | |
| | STO | 00400 | 05.62 | 34.88 | 27.53 | 00.360 | 1480.0 | | | | | | | |
| | OBS | 00403 | 05.54 | 34.86 | 27.52 | | 1479.7 | | | | | | | |
| | OBS | 00405 | 05.56 | 34.86 | 27.52 | | 1479.8 | | | | | | | |
| | OBS | 00413 | 05.13 | 34.82 | 27.54 | | 1478.1 | | | | | | | |
| | OBS | 00426 | 05.04 | 34.81 | 27.54 | | 1477.9 | | | | | | | |
| | OBS | 00428 | 05.40 | 34.89 | 27.56 | | 1479.6 | | | | | | | |
| | OBS | 00451 | 05.24 | 34.88 | 27.57 | | 1479.3 | | | | | | | |
| | OBS | 00458 | 05.25 | 34.89 | 27.58 | | 1479.4 | | | | | | | |
| | OBS | 00460 | 04.68 | 34.80 | 27.57 | | 1477.0 | | | | | | | |
| | OBS | 00470 | 04.59 | 34.82 | 27.60 | | 1476.8 | | | | | | | |
| | OBS | 00474 | 04.66 | 34.85 | 27.63 | | 1478.1 | | | | | | | |
| | OBS | 00487 | 05.41 | 34.99 | 27.64 | | 1480.7 | | | | | | | |
| | OBS | 00498 | 05.22 | 34.93 | 27.62 | | 1480.0 | | | | | | | |
| | STO | 00500 | 05.06 | 34.91 | 27.62 | 00.436 | 1479.4 | | | | | | | |
| | OBS | 00502 | 04.81 | 34.89 | 27.63 | | 1478.4 | | | | | | | |
| | OBS | 00517 | 04.68 | 34.86 | 27.64 | | 1478.1 | | | | | | | |
| | OBS | 00531 | 04.88 | 34.94 | 27.66 | | 1479.2 | | | | | | | |
| | OBS | 00540 | 05.31 | 35.02 | 27.68 | | 1481.2 | | | | | | | |
| | OBS | 00546 | 05.52 | 35.07 | 27.69 | | 1482.2 | | | | | | | |
| | OBS | 00559 | 05.61 | 35.09 | 27.69 | | 1482.8 | | | | | | | |
| | STO | 00600 | 05.39 | 35.07 | 27.71 | 00.488 | 1482.6 | | | | | | | |
| | OBS | 00601 | 05.36 | 35.07 | 27.71 | | 1482.6 | | | | | | | |
| | OBS | 00651 | 05.16 | 35.05 | 27.72 | | 1482.5 | | | | | | | |
| | STO | 00700 | 04.98 | 35.03 | 27.72 | 00.536 | 1482.5 | | | | | | | |
| | OBS | 00702 | 04.97 | 35.03 | 27.72 | | 1482.5 | | | | | | | |
| | OBS | 00750 | 04.77 | 35.02 | 27.74 | | 1482.5 | | | | | | | |
| | STO | 00800 | 04.56 | 34.98 | 27.73 | 00.582 | 1482.4 | | | | | | | |
| | OBS | 00807 | 04.54 | 34.98 | 27.73 | | 1482.4 | | | | | | | |
| | OBS | 00852 | 04.41 | 34.98 | 27.75 | | 1482.6 | | | | | | | |
| | STO | 00900 | 04.32 | 34.98 | 27.76 | 00.627 | 1483.1 | | | | | | | |
| | OBS | 00911 | 04.30 | 34.98 | 27.76 | | 1483.2 | | | | | | | |
| | OBS | 00955 | 04.23 | 34.985 | 27.77 | | 1483.6 | | | | | | | |
| | STO | 01000 | 04.14 | 34.98 | 27.78 | 00.671 | 1484.0 | | | | | | | |
| | OBS | 01007 | 04.12 | 34.975 | 27.78 | | 1484.0 | | | | | | | |
| | OBS | 01062 | 03.86 | 34.93 | 27.77 | | 1483.8 | | | | | | | |
| | OBS | 01064 | 03.86 | 34.93 | 27.77 | | 1483.8 | | | | | | | |

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID 31 8463 | YEAR 1975 | BOTOP 03635 | AIR TEMP 08.7 | DIR HGT PER | WIND-DIR 25 | INST STD RECORDER | TEN SG 1306 |
| CONSEC 0048 | MONTH 05 | SHIP EV | WET BULB 07.0 | 23 5 4 | WIND-SPD 22 | TRACE DIR 0 | S SQUARE 2 |
| LAT 44 17.5N | DAY 30 | DATA USE 1 | BAROMETR 0993.8 | SEA | WIND-FOR | DURATION 00.6 | 2 SQUARE 46 |
| LONG 047 22.8W | HOUR 15.2 | AREA 05 | CLOUD T/A | CL/TR | WEATHER A2 | ORIG 011 827 10 | 1 SQUARE 47 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNORTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 10.73 | 35.04 | 26.87 | 00.000 | 1453.1 | | | | | | | |
| 15.2 | OBS | 00001 | 10.73 | 35.04 | 26.87 | | 1453.1 | | | | | | | |
| | STD | 00010 | 10.73 | 35.04 | 26.88 | 00.012 | 1453.2 | | | | | | | |
| | STD | 00020 | 10.73 | 35.05 | 26.88 | 00.024 | 1453.4 | | | | | | | |
| | STD | 00030 | 10.73 | 35.05 | 26.88 | 00.036 | 1453.6 | | | | | | | |
| | OBS | 00032 | 10.73 | 35.05 | 26.88 | | 1453.6 | | | | | | | |
| | STD | 00050 | 10.74 | 35.05 | 26.88 | 00.055 | 1453.9 | | | | | | | |
| | OBS | 00053 | 10.75 | 35.05 | 26.88 | | 1454.0 | | | | | | | |
| | STD | 00075 | 10.96 | 35.11 | 26.88 | 00.069 | 1455.2 | | | | | | | |
| | OBS | 00076 | 10.97 | 35.11 | 26.89 | | 1455.3 | | | | | | | |
| | OBS | 00093 | 11.25 | 35.20 | 26.90 | | 1456.6 | | | | | | | |
| | STD | 00100 | 11.39 | 35.24 | 26.91 | 00.119 | 1457.3 | | | | | | | |
| | OBS | 00100 | 11.41 | 35.25 | 26.91 | | 1457.4 | | | | | | | |
| | STD | 00125 | 11.61 | 35.35 | 26.95 | 00.148 | 1458.6 | | | | | | | |
| | OBS | 00125 | 11.61 | 35.35 | 26.95 | | 1458.6 | | | | | | | |
| | STD | 00150 | 11.51 | 35.40 | 27.01 | 00.176 | 1458.7 | | | | | | | |
| | OBS | 00152 | 11.47 | 35.40 | 27.02 | | 1458.6 | | | | | | | |
| | OBS | 00159 | 11.32 | 35.38 | 27.03 | | 1458.2 | | | | | | | |
| | OBS | 00161 | 10.91 | 35.32 | 27.06 | | 1456.7 | | | | | | | |
| | OBS | 00173 | 10.77 | 35.30 | 27.07 | | 1456.4 | | | | | | | |
| | OBS | 00175 | 10.59 | 35.28 | 27.09 | | 1455.7 | | | | | | | |
| | OBS | 00184 | 10.12 | 35.16 | 27.08 | | 1454.1 | | | | | | | |
| | OBS | 00190 | 10.03 | 35.15 | 27.08 | | 1453.8 | | | | | | | |
| | OBS | 00192 | 09.44 | 35.07 | 27.12 | | 1451.6 | | | | | | | |
| | STD | 00200 | 09.26 | 35.05 | 27.14 | 00.228 | 1451.0 | | | | | | | |
| | OBS | 00201 | 09.26 | 35.05 | 27.13 | | 1451.0 | | | | | | | |
| | OBS | 00205 | 09.30 | 35.06 | 27.14 | | 1451.3 | | | | | | | |
| | OBS | 00209 | 08.44 | 34.95 | 27.19 | | 1488.0 | | | | | | | |
| | OBS | 00213 | 08.07 | 34.86 | 27.17 | | 1486.5 | | | | | | | |
| | OBS | 00230 | 08.15 | 34.89 | 27.18 | | 1487.1 | | | | | | | |
| | OBS | 00236 | 08.28 | 34.92 | 27.19 | | 1487.8 | | | | | | | |
| | STD | 00250 | 07.71 | 34.85 | 27.22 | 00.275 | 1485.7 | | | | | | | |
| | OBS | 00253 | 07.60 | 34.84 | 27.23 | | 1485.3 | | | | | | | |
| | OBS | 00272 | 07.03 | 34.77 | 27.25 | | 1483.3 | | | | | | | |
| | OBS | 00283 | 07.85 | 34.95 | 27.28 | | 1486.9 | | | | | | | |
| | STD | 00300 | 07.36 | 34.88 | 27.30 | 00.318 | 1485.2 | | | | | | | |
| | OBS | 00302 | 07.33 | 34.87 | 27.29 | | 1485.1 | | | | | | | |
| | OBS | 00304 | 07.32 | 34.88 | 27.30 | | 1485.1 | | | | | | | |
| | OBS | 00317 | 06.87 | 34.82 | 27.32 | | 1483.5 | | | | | | | |
| | OBS | 00340 | 06.18 | 34.76 | 27.36 | | 1481.1 | | | | | | | |
| | OBS | 00344 | 05.60 | 34.70 | 27.39 | | 1478.7 | | | | | | | |
| | OBS | 00350 | 05.45 | 34.69 | 27.40 | | 1478.2 | | | | | | | |
| | STD | 00400 | 05.39 | 34.78 | 27.47 | 00.394 | 1478.9 | | | | | | | |
| | OBS | 00403 | 05.38 | 34.78 | 27.48 | | 1478.9 | | | | | | | |
| | OBS | 00432 | 05.26 | 34.80 | 27.51 | | 1478.9 | | | | | | | |
| | OBS | 00466 | 05.22 | 34.85 | 27.55 | | 1479.4 | | | | | | | |
| | OBS | 00470 | 04.91 | 34.80 | 27.55 | | 1478.1 | | | | | | | |
| | OBS | 00481 | 04.79 | 34.80 | 27.56 | | 1477.8 | | | | | | | |
| | OBS | 00493 | 04.39 | 34.78 | 27.59 | | 1476.3 | | | | | | | |
| | OBS | 00496 | 04.73 | 34.83 | 27.59 | | 1477.9 | | | | | | | |
| | STD | 00500 | 04.70 | 34.83 | 27.60 | 00.455 | 1477.8 | | | | | | | |
| | OBS | 00506 | 04.63 | 34.83 | 27.60 | | 1477.6 | | | | | | | |
| | OBS | 00510 | 04.53 | 34.90 | 27.63 | | 1479.0 | | | | | | | |
| | OBS | 00533 | 04.79 | 34.88 | 27.63 | | 1478.8 | | | | | | | |
| | OBS | 00544 | 04.32 | 34.80 | 27.61 | | 1476.9 | | | | | | | |
| | OBS | 00553 | 04.35 | 34.82 | 27.63 | | 1477.2 | | | | | | | |
| | OBS | 00561 | 04.05 | 34.78 | 27.63 | | 1476.0 | | | | | | | |
| | OBS | 00565 | 03.98 | 34.80 | 27.65 | | 1475.8 | | | | | | | |
| | OBS | 00578 | 04.44 | 34.88 | 27.67 | | 1478.1 | | | | | | | |
| | OBS | 00590 | 04.65 P | 34.88 | 27.640* | | 1477.4 | | | | | | | |
| | STD | 00600 | 04.19 | 34.86 | 27.68 | 00.507 | 1477.4 | | | | | | | |
| | OBS | 00609 | 04.16 | 34.85 | 27.67 | | 1477.4 | | | | | | | |
| | OBS | 00611 | 04.16 | 34.87 | 27.69 | | 1477.4 | | | | | | | |
| | OBS | 00614 | 04.64 | 34.96 | 27.71 | | 1479.6 | | | | | | | |
| | OBS | 00643 | 04.62 | 34.96 | 27.71 | | 1480.0 | | | | | | | |
| | OBS | 00652 | 04.47 | 34.93 | 27.70 | | 1479.5 | | | | | | | |
| | STD | 00700 | 04.65 | 34.98 | 27.72 | 00.554 | 1481.1 | | | | | | | |
| | OBS | 00704 | 04.66 | 34.98 | 27.72 | | 1481.2 | | | | | | | |
| | OBS | 00755 | 04.57 | 34.98 | 27.73 | | 1481.7 | | | | | | | |
| | STD | 00800 | 04.47 | 34.97 | 27.73 | 00.600 | 1482.0 | | | | | | | |
| | OBS | 00801 | 04.47 | 34.97 | 27.73 | | 1482.0 | | | | | | | |
| | OBS | 00850 | 04.30 | 34.95 | 27.74 | | 1482.1 | | | | | | | |
| | STD | 00900 | 04.20 | 34.95 | 27.75 | 00.646 | 1482.5 | | | | | | | |
| | OBS | 00900 | 04.20 | 34.95 | 27.75 | | 1482.5 | | | | | | | |
| | OBS | 00953 | 04.12 | 34.95 | 27.76 | | 1483.1 | | | | | | | |
| | OBS | 00997 | 03.91 | 34.92 | 27.75 | | 1482.9 | | | | | | | |
| | STD | 01000 | 03.91 | 34.92 | 27.75 | 00.691 | 1482.9 | | | | | | | |
| | OBS | 01001 | 03.91 | 34.92 | 27.75 | | 1482.9 | | | | | | | |
| | OBS | 01054 | 03.95 | 34.93 | 27.76 | | 1484.0 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| FSFIO 31 8465 | YEAR 1975 | BOTOP 03960 | AIR TEMP 07.6 | DIR HGT PER | WIND-DIR 24 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0045 | MONTH 05 | SHIP EV | WET BULB 05.9 | 23 5 3 | WIND-SPD 22 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 12.5N | DAY 30 | DATA USE 1 | BARCMETR 0996.0 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 46 |
| LONG 046 58.2W | HOUR 18.3 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | ORIG C11 828 | 1 SQUARE 46 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | DAYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 09.86 | 34.88 | 26.90 | 00.000 | 1489.7 | | | | | | | |
| 18.3 | OBS | 00003 | 09.86 | 34.88 | 26.90 | | 1489.8 | | | | | | | |
| | STD | 00010 | 09.86 | 34.88 | 26.90 | 00.012 | 1489.9 | | | | | | | |
| | OBS | 00015 | 09.86 | 34.88 | 26.90 | | 1490.0 | | | | | | | |
| | STD | 00020 | 09.87 | 34.88 | 26.90 | 00.023 | 1490.1 | | | | | | | |
| | OBS | 00020 | 09.87 | 34.88 | 26.90 | | 1490.1 | | | | | | | |
| | STD | 00030 | 09.89 | 34.89 | 26.90 | 00.035 | 1490.3 | | | | | | | |
| | OBS | 00030 | 09.89 | 34.89 | 26.90 | | 1490.3 | | | | | | | |
| | STD | 00050 | 09.95 | 34.90 | 26.90 | 00.058 | 1490.9 | | | | | | | |
| | OBS | 00051 | 09.95 | 34.90 | 26.90 | | 1490.9 | | | | | | | |
| | OBS | 00064 | 09.93 | 34.93 | 26.93 | | 1491.1 | | | | | | | |
| | OBS | 00066 | 09.97 | 34.96 | 26.95 | | 1491.3 | | | | | | | |
| | OBS | 00068 | 09.92 | 34.96 | 26.95 | | 1491.2 | | | | | | | |
| | OBS | 00074 | 09.68 | 34.93 | 26.97 | | 1490.3 | | | | | | | |
| | STD | 00075 | 09.36 | 34.89 | 26.99 | 00.087 | 1489.1 | | | | | | | |
| | OBS | 00079 | 07.77 | 34.66 | 27.06 | | 1482.9 | | | | | | | |
| | OBS | 00083 | 06.97 | 34.53 | 27.07 | | 1479.7 | | | | | | | |
| | STD | 00100 | 06.71 | 34.56 | 27.14 | 00.112 | 1479.0 | | | | | | | |
| | OBS | 00104 | 06.65 | 34.57 | 27.15 | | 1478.8 | | | | | | | |
| | STD | 00125 | 06.46 | 34.58 | 27.18 | 00.136 | 1478.4 | | | | | | | |
| | OBS | 00125 | 06.45 | 34.58 | 27.18 | | 1478.4 | | | | | | | |
| | STD | 00150 | 06.76 | 34.68 | 27.22 | 00.158 | 1480.1 | | | | | | | |
| | OBS | 00150 | 06.76 | 34.68 | 27.22 | | 1480.2 | | | | | | | |
| | OBS | 00171 | 06.89 | 34.75 | 27.26 | | 1481.1 | | | | | | | |
| | OBS | 00178 | 06.69 | 34.71 | 27.25 | | 1480.4 | | | | | | | |
| | OBS | 00180 | 06.33 | 34.63 | 27.24 | | 1478.9 | | | | | | | |
| | OBS | 00192 | 06.93 | 34.82 | 27.31 | | 1481.7 | | | | | | | |
| | OBS | 00194 | 06.94 | 34.81 | 27.30 | | 1481.8 | | | | | | | |
| | STD | 00200 | 06.81 | 34.82 | 27.32 | 00.200 | 1481.4 | | | | | | | |
| | OBS | 00201 | 06.78 | 34.82 | 27.33 | | 1481.3 | | | | | | | |
| | OBS | 00218 | 06.56 | 34.79 | 27.33 | | 1480.6 | | | | | | | |
| | OBS | 00226 | 06.74 | 34.82 | 27.33 | | 1481.5 | | | | | | | |
| | STD | 00250 | 05.97 | 34.78 | 27.40 | 00.236 | 1478.8 | | | | | | | |
| | OBS | 00257 | 05.86 | 34.77 | 27.41 | | 1478.4 | | | | | | | |
| | OBS | 00276 | 05.83 | 34.81 | 27.45 | | 1478.7 | | | | | | | |
| | STD | 00300 | 05.84 | 34.87 | 27.49 | 00.272 | 1479.2 | | | | | | | |
| | OBS | 00304 | 05.84 | 34.87 | 27.49 | | 1479.3 | | | | | | | |
| | OBS | 00316 | 05.68 | 34.86 | 27.50 | | 1478.8 | | | | | | | |
| | OBS | 00325 | 06.08 | 34.94 | 27.52 | | 1480.7 | | | | | | | |
| | OBS | 00342 | 05.53 | 34.88 | 27.54 | | 1478.7 | | | | | | | |
| | OBS | 00350 | 05.46 | 34.89 | 27.55 | | 1478.5 | | | | | | | |
| | OBS | 00376 | 05.51 | 34.90 | 27.56 | | 1479.2 | | | | | | | |
| | OBS | 00378 | 05.16 | 34.87 | 27.57 | | 1477.7 | | | | | | | |
| | STD | 00400 | 05.08 | 34.89 | 27.60 | 00.331 | 1477.8 | | | | | | | |
| | OBS | 00401 | 05.07 | 34.89 | 27.60 | | 1477.8 | | | | | | | |
| | OBS | 00403 | 05.40 | 34.97 | 27.63 | | 1479.3 | | | | | | | |
| | OBS | 00445 | 05.18 | 34.95 | 27.64 | | 1479.0 | | | | | | | |
| | OBS | 00454 | 04.97 | 34.91 | 27.63 | | 1478.3 | | | | | | | |
| | OBS | 00462 | 04.89 | 34.91 | 27.64 | | 1478.1 | | | | | | | |
| | OBS | 00472 | 05.11 | 34.97 | 27.66 | | 1479.2 | | | | | | | |
| | STD | 00500 | 04.88 | 34.94 | 27.66 | 00.383 | 1478.7 | | | | | | | |
| | OBS | 00500 | 04.87 | 34.94 | 27.66 | | 1478.6 | | | | | | | |
| | OBS | 00517 | 05.15 | 34.99 | 27.67 | | 1480.1 | | | | | | | |
| | OBS | 00529 | 04.84 | 34.95 | 27.68 | | 1479.0 | | | | | | | |
| | OBS | 00553 | 04.79 | 34.96 | 27.69 | | 1479.2 | | | | | | | |
| | STD | 00600 | 04.72 | 34.97 | 27.70 | 00.432 | 1479.7 | | | | | | | |
| | OBS | 00601 | 04.72 | 34.97 | 27.71 | | 1479.7 | | | | | | | |
| | OBS | 00651 | 04.64 | 34.99 | 27.73 | | 1480.3 | | | | | | | |
| | STD | 00700 | 04.49 | 34.97 | 27.73 | 00.478 | 1480.4 | | | | | | | |
| | OBS | 00706 | 04.48 | 34.97 | 27.73 | | 1480.5 | | | | | | | |
| | OBS | 00751 | 04.45 | 34.98 | 27.74 | | 1481.1 | | | | | | | |
| | STD | 00800 | 04.33 | 34.96 | 27.74 | 00.522 | 1481.4 | | | | | | | |
| | OBS | 00803 | 04.32 | 34.96 | 27.74 | | 1481.4 | | | | | | | |
| | OBS | 00852 | 04.29 | 34.98 | 27.76 | | 1482.1 | | | | | | | |
| | STD | 00900 | 04.34 | 34.98 | 27.76 | 00.567 | 1483.1 | | | | | | | |
| | OBS | 00900 | 04.34 | 34.98 | 27.76 | | 1483.1 | | | | | | | |
| | OBS | 00953 | 04.10 | 34.96 | 27.77 | | 1483.0 | | | | | | | |
| | STD | 01000 | 04.05 | 34.96 | 27.77 | 00.611 | 1483.6 | | | | | | | |
| | OBS | 01001 | 04.05 | 34.96 | 27.77 | | 1483.6 | | | | | | | |
| | OBS | 01033 | 03.98 | 34.95 | 27.77 | | 1483.8 | | | | | | | |
| | OBS | 01058 | 03.98 | 34.95 | 27.77 | | 1484.2 | | | | | | | |

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TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC   STATION   DATA

| RSFID   31   8463 | YEAR 1975 | BCTOP 03854 | AIR TEMP   08.0 | DIR HGT PER | WIND-DIR 23 | INST STO RECORDER | TEN SC 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC   005C | MONTH 05 | SHIP EV | WET BULB   06.5 | 24   4   4 | WIND-SPD 24 | TRACE CIR        D | 5 SQUARE   2 |
| LAT   44 07.8N | DAY   30 | DATA USE  1 | BAROMETR 0997.2 | SEA | WIND-FOR | DURATION       00.4 | 2 SQUARE 46 |
| LONG  046 23.5W | HOUR 21.5 | AREA     05 | CLOUD T/A | CL/TR | WEATHER  X2 | ORIG C11 829 | 1 SQUARE 46 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 08.75 | 34.45 | 26.75 | 00.000 | 1485.1 | | | | | | | |
| 21.5 | OBS | 00000 | 08.75 | 34.45 | 26.75 | | 1485.1 | | | | | | | |
| | STD | 00010 | 08.74 | 34.45 | 26.75 | 00.013 | 1485.2 | | | | | | | |
| | OBS | 00010 | 08.74 | 34.45 | 26.75 | | 1485.2 | | | | | | | |
| | STD | 00020 | 08.74 | 34.45 | 28.75 | 00.026 | 1485.3 | | | | | | | |
| | OBS | 00020 | 08.74 | 34.45 | 26.75 | | 1485.3 | | | | | | | |
| | STD | C0030 | 08.75 | 34.45 | 26.75 | 00.039 | 1485.5 | | | | | | | |
| | OBS | 00030 | 08.75 | 34.45 | 26.75 | | 1485.5 | | | | | | | |
| | STD | C0050 | 10.48 | 34.94 | 26.84 | 00.065 | 1492.9 | | | | | | | |
| | OBS | 00050 | 10.48 | 34.94 | 26.84 | | 1492.9 | | | | | | | |
| | OBS | 00053 | 09.05 | 34.72 | 26.91 | | 1487.4 | | | | | | | |
| | OBS | 00064 | 08.87 | 34.82 | 27.02 | | 1487.0 | | | | | | | |
| | OBS | 00068 | 08.48 | 34.75 | 27.02 | | 1485.6 | | | | | | | |
| | OBS | C0070 | 07.91 | 34.72 | 27.09 | | 1483.4 | | | | | | | |
| | STD | 00075 | 07.65 | 34.70 | 27.11 | 00.092 | 1482.6 | | | | | | | |
| | STD | 00100 | 06.94 | 34.65 | 27.17 | 00.116 | 1480.0 | | | | | | | |
| | OBS | 00110 | 06.85 | 34.64 | 27.18 | | 1479.8 | | | | | | | |
| | OBS | 00114 | 06.85 | 34.64 | 27.18 | | 1479.9 | | | | | | | |
| | STD | 00125 | 06.85 | 34.63 | 27.17 | 00.139 | 1480.0 | | | | | | | |
| | OBS | 00125 | 06.85 | 34.63 | 27.17 | | 1480.0 | | | | | | | |
| | STD | C0150 | 06.94 | 34.71 | 27.22 | 00.162 | 1480.9 | | | | | | | |
| | OBS | 00165 | 07.01 | 34.77 | 27.26 | | 1481.6 | | | | | | | |
| | OBS | 00173 | 06.04 | 34.63 | 27.28 | | 1477.6 | | | | | | | |
| | OBS | 00184 | 06.79 | 34.83 | 27.33 | | 1481.0 | | | | | | | |
| | STD | 00200 | 06.77 | 34.83 | 27.34 | 00.203 | 1481.2 | | | | | | | |
| | OBS | C0228 | 06.72 | 34.83 | 27.34 | | 1481.5 | | | | | | | |
| | OBS | 00232 | 07.03 | 34.91 | 27.36 | | 1482.9 | | | | | | | |
| | STD | 00250 | 06.83 | 34.95 | 27.42 | 00.241 | 1482.4 | | | | | | | |
| | OBS | 00251 | 06.83 | 34.95 | 27.42 | | 1482.4 | | | | | | | |
| | OBS | 00260 | 06.85 | 34.99 | 27.45 | | 1482.7 | | | | | | | |
| | STD | 00300 | 06.27 | 34.92 | 27.47 | 00.275 | 1481.0 | | | | | | | |
| | OBS | 00304 | 06.23 | 34.91 | 27.48 | | 1480.8 | | | | | | | |
| | OBS | 00310 | 06.35 | 34.97 | 27.50 | | 1481.5 | | | | | | | |
| | OBS | 00335 | 06.20 | 34.97 | 27.52 | | 1481.4 | | | | | | | |
| | OBS | 00359 | 05.80 | 34.90 | 27.52 | | 1480.1 | | | | | | | |
| | OBS | C0373 | 05.05 | 34.83 | 27.56 | | 1477.1 | | | | | | | |
| | OBS | 00375 | 04.92 | 34.85 | 27.59 | | 1476.7 | | | | | | | |
| | STD | 00400 | 05.11 | 34.90 | 27.60 | 00.335 | 1477.9 | | | | | | | |
| | OBS | C0416 | 05.16 | 34.92 | 27.61 | | 1478.4 | | | | | | | |
| | OBS | 00451 | 05.09 | 34.95 | 27.65 | | 1478.7 | | | | | | | |
| | STD | C0500 | 05.16 | 34.98 | 27.66 | 00.386 | 1479.9 | | | | | | | |
| | OBS | 00500 | 05.16 | 34.96 | 27.66 | | 1479.9 | | | | | | | |
| | OBS | 00552 | 05.04 | 34.98 | 27.68 | | 1480.3 | | | | | | | |
| | STD | 00600 | 04.75 | 34.97 | 27.70 | 00.437 | 1480.0 | | | | | | | |
| | OBS | 00605 | 04.77 | 34.97 | 27.70 | | 1480.0 | | | | | | | |
| | OBS | 00667 | 04.57 | 34.97 | 27.72 | | 1480.5 | | | | | | | |
| | STD | C0700 | 04.59 | 34.98 | 27.73 | 00.463 | 1480.8 | | | | | | | |
| | OBS | 00700 | 04.59 | 34.98 | 27.73 | | 1480.9 | | | | | | | |
| | OBS | 00750 | 04.61 | 34.99 | 27.73 | | 1481.8 | | | | | | | |
| | STD | 00800 | 04.52 | 34.98 | 27.74 | 00.529 | 1482.2 | | | | | | | |
| | OBS | 00801 | 04.52 | 34.98 | 27.74 | | 1482.2 | | | | | | | |
| | OBS | 00871 | 04.28 | 34.96 | 27.75 | | 1482.4 | | | | | | | |
| | STD | 00900 | 04.25 | 34.96 | 27.75 | 00.574 | 1482.7 | | | | | | | |
| | OBS | 00902 | 04.25 | 34.96 | 27.75 | | 1482.8 | | | | | | | |
| | OBS | 00946 | 04.21 | 34.96 | 27.75 | | 1483.3 | | | | | | | |
| | OBS | C0967 | 04.21 | 34.96 | 27.75 | | 1484.0 | | | | | | | |
| | STD | 01000 | 04.24 | 34.97 | 27.76 | 00.615 | 1484.4 | | | | | | | |
| | OBS | 01003 | 04.24 | 34.97 | 27.76 | | 1484.4 | | | | | | | |
| | OBS | 01022 | 04.23 | 34.97 | 27.76 | | 1484.7 | | | | | | | |

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TABLE II.  USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| KSFID 31 8463 | YEAR 1975 | BOTOP 03658 | AIR TEMP 06.1 | OIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0051 | MONTH 05 | SHIP EV | WET BULB 05.5 | 24  2  5 | WIND-SPD 26 | TRACE DIR  0 | 5 SQUARE 2 |
| LAT 43 55.0N | DAY 31 | DATA USE 1 | BAROMETR 1000.3 | SEA | WIND-FOR | DURATION 00.3 | 2 SQUARE 24 |
| LONG 045 49.0W | HOUR 01.1 | AREA 05 | CLOUD 7/A | CL/TR | WEATHER A2 | ORIG 011 830 | 1 SQUARE 35 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYC | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 09.70 | 34.74 | 26.82 | 00.000 | 1489.0 | | | | | | | |
| 01.1 | OBS | 00000 | 09.70 | 34.74 | 26.82 | | 1489.0 | | | | | | | |
| | STD | 00010 | 09.68 | 34.74 | 26.82 | 00.012 | 1489.1 | | | | | | | |
| | OBS | 00010 | 09.68 | 34.74 | 26.82 | | 1489.1 | | | | | | | |
| | STD | 00020 | 09.68 | 34.74 | 26.82 | 00.025 | 1489.2 | | | | | | | |
| | OBS | 00020 | 09.68 | 34.74 | 26.82 | | 1489.2 | | | | | | | |
| | STD | 00030 | 09.67 | 34.73 | 26.82 | 00.037 | 1489.3 | | | | | | | |
| | OBS | 00030 | 09.67 | 34.73 | 26.82 | | 1489.3 | | | | | | | |
| | STD | 00050 | 09.30 | 34.72 | 26.87 | 00.062 | 1488.3 | | | | | | | |
| | OBS | 00050 | 09.30 | 34.72 | 26.87 | | 1488.3 | | | | | | | |
| | OBS | 00065 | 08.80 | 34.72 | 26.95 | | 1486.7 | | | | | | | |
| | ST | 00075 | 07.50 | 34.54 | 27.01 | 00.090 | 1481.6 | | | | | | | |
| | OBS | 00075 | 07.50 | 34.54 | 27.01 | | 1481.6 | | | | | | | |
| | OBS | 00085 | 07.25 | 34.48 | 27.00 | | 1480.7 | | | | | | | |
| | STD | 00100 | 07.88 | 34.77 | 27.13 | 00.116 | 1483.8 | | | | | | | |
| | OBS | 00100 | 07.88 | 34.77 | 27.13 | | 1483.8 | | | | | | | |
| | STD | 00125 | 07.32 | 34.72 | 27.17 | 00.139 | 1482.0 | | | | | | | |
| | OBS | 00125 | 07.32 | 34.72 | 27.17 | | 1482.0 | | | | | | | |
| | STD | 00150 | 07.07 | 34.73 | 27.22 | 00.162 | 1481.4 | | | | | | | |
| | OBS | 00150 | 07.07 | 34.73 | 27.22 | | 1481.4 | | | | | | | |
| | OBS | 00170 | 06.90 | 34.76 | 27.26 | | 1481.1 | | | | | | | |
| | OBS | 00175 | 06.45 | 34.71 | 27.29 | | 1479.4 | | | | | | | |
| | OBS | 00180 | 05.65 | 34.56 | 27.27 | | 1476.0 | | | | | | | |
| | STD | 00200 | 05.85 | 34.68 | 27.34 | 00.203 | 1477.3 | | | | | | | |
| | OBS | 00200 | 05.85 | 34.68 | 27.34 | | 1477.3 | | | | | | | |
| | OBS | 00210 | 05.75 | 34.69 | 27.36 | | 1477.1 | | | | | | | |
| | OBS | 00225 | 06.25 | 34.79 | 27.38 | | 1479.5 | | | | | | | |
| | STD | 00250 | 05.70 | 34.75 | 27.41 | 00.240 | 1477.6 | | | | | | | |
| | OBS | 00250 | 05.70 | 34.75 | 27.41 | | 1477.6 | | | | | | | |
| | OBS | 00280 | 05.30 | 34.71 | 27.43 | | 1476.5 | | | | | | | |
| | OBS | 00290 | 05.15 | 34.74 | 27.47 | | 1476.1 | | | | | | | |
| | STD | 00300 | 05.38 | 34.80 | 27.49 | 00.274 | 1477.2 | | | | | | | |
| | OBS | 00300 | 05.38 | 34.80 | 27.49 | | 1477.2 | | | | | | | |
| | OBS | 00350 | 04.92 | 34.80 | 27.55 | | 1476.2 | | | | | | | |
| | OBS | 00370 | 05.20 | 34.86 | 27.56 | | 1477.7 | | | | | | | |
| | STD | 00400 | 04.85 | 34.84 | 27.59 | 00.334 | 1476.8 | | | | | | | |
| | OBS | 00400 | 04.85 | 34.84 | 27.59 | | 1476.8 | | | | | | | |
| | OBS | 00430 | 04.70 | 34.87 | 27.63 | | 1476.7 | | | | | | | |
| | OBS | 00450 | 04.95 | 34.93 | 27.65 | | 1478.1 | | | | | | | |
| | STD | 00500 | 04.93 | 34.96 | 27.67 | 00.386 | 1478.9 | | | | | | | |
| | OBS | 00500 | 04.93 | 34.96 | 27.67 | | 1478.9 | | | | | | | |
| | STD | 00600 | 04.80 | 34.98 | 27.70 | 00.434 | 1480.1 | | | | | | | |
| | OBS | 00600 | 04.80 | 34.98 | 27.70 | | 1480.1 | | | | | | | |
| | STD | 00700 | 04.48 | 34.98 | 27.74 | 00.475 | 1480.4 | | | | | | | |
| | OBS | 00700 | 04.46 | 34.98 | 27.74 | | 1480.4 | | | | | | | |
| | OBS | 00747 | 04.57 | 35.00 | 27.75 | | 1481.6 | | | | | | | |
| | STD | 00800 | 04.45 | 34.98 | 27.74 | 00.524 | 1481.9 | | | | | | | |
| | OBS | 00800 | 04.45 | 34.98 | 27.74 | | 1481.9 | | | | | | | |
| | STD | 00900 | 04.30 | 34.98 | 27.76 | 00.568 | 1483.0 | | | | | | | |
| | OBS | 00900 | 04.30 | 34.98 | 27.76 | | 1483.0 | | | | | | | |
| | STD | 01000 | 04.10 | 34.95 | 27.76 | 00.613 | 1483.8 | | | | | | | |
| | OBS | 01000 | 04.10 | 34.95 | 27.76 | | 1483.8 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| FEFID 31 8463 | YEAR 1975 | BOTDP 04460 | AIR TEMP 06.0 | DIR HGT PER | WIND-DIR 24 | INST STE RECORDER | TEN SO 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0052 | MONTH 05 | SHIP EV | WET BULB 05.7 | 30  2  3 | WIND-SPD 20 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 43 53.4N | DAY 31 | DATA USE 1 | BAROMETR 1001.5 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 24 |
| LONG 045 16.5W | HOUR 03.8 | AREA 05 | CLOUD 7/A | CL/TR | WEATHER X2 | ORIG C11 031 | 1 SQUARE 35 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | STD | 00000 | 07.37 | 33.95 | 26.56 | 00.000 | 1479.1 | | | | | | | |
| 03.8 | OBS | 00000 | 07.37 | 33.95 | 26.56 | | 1479.1 | | | | | | | |
|  | STD | 00010 | 07.25 | 33.95 | 26.58 | 00.015 | 1478.8 | | | | | | | |
|  | OBS | 00010 | 07.25 | 33.95 | 26.58 | | 1478.8 | | | | | | | |
|  | STD | 00020 | 07.17 | 33.93 | 26.57 | 00.029 | 1478.6 | | | | | | | |
|  | OBS | 00020 | 07.17 | 33.93 | 26.57 | | 1478.6 | | | | | | | |
|  | STD | 00030 | 07.13 | 33.93 | 26.58 | 00.044 | 1478.6 | | | | | | | |
|  | OBS | 00030 | 07.13 | 33.93 | 26.58 | | 1478.6 | | | | | | | |
|  | OBS | 00040 | 06.45 | 33.90 | 26.65 | | 1476.1 | | | | | | | |
|  | STD | 00050 | 05.95 | 33.83 | 26.66 | 00.073 | 1474.1 | | | | | | | |
|  | OBS | 00050 | 05.95 | 33.83 | 26.66 | | 1474.1 | | | | | | | |
|  | STD | C0075 | 05.75 | 34.23 | 27.00 | 00.104 | 1474.3 | | | | | | | |
|  | OBS | 00075 | 05.75 | 34.23 | 27.00 | | 1474.3 | | | | | | | |
|  | STD | 00100 | 07.15 | 34.59 | 27.10 | 00.130 | 1480.7 | | | | | | | |
|  | OBS | 00100 | 07.15 | 34.59 | 27.10 | | 1480.7 | | | | | | | |
|  | OBS | 00110 | 07.32 | 34.65 | 27.12 | | 1481.6 | | | | | | | |
|  | STD | 00125 | 07.27 | 34.67 | 27.14 | 00.154 | 1481.7 | | | | | | | |
|  | OBS | 00125 | 07.27 | 34.67 | 27.14 | | 1481.7 | | | | | | | |
|  | OBS | 00135 | 07.03 | 34.64 | 27.15 | | 1480.9 | | | | | | | |
|  | OBS | 00140 | 07.22 | 34.68 | 27.16 | | 1481.8 | | | | | | | |
|  | STD | 00150 | 07.17 | 34.70 | 27.18 | 00.176 | 1481.8 | | | | | | | |
|  | OBS | 00150 | 07.17 | 34.70 | 27.18 | | 1481.8 | | | | | | | |
|  | OBS | 00170 | 07.20 | 34.75 | 27.21 | | 1482.3 | | | | | | | |
|  | OBS | 00175 | 06.78 | 34.72 | 27.25 | | 1480.7 | | | | | | | |
|  | OBS | 00184 | 06.95 | 34.72 | 27.23 | | 1481.5 | | | | | | | |
|  | STD | 00200 | 06.25 | 34.61 | 27.23 | 00.222 | 1478.9 | | | | | | | |
|  | OBS | C0200 | 06.25 | 34.61 | 27.23 | | 1478.9 | | | | | | | |
|  | OBS | 00215 | 06.00 | 34.54 | 27.21 | | 1478.0 | | | | | | | |
|  | OBS | 00225 | 06.54 | 34.76 | 27.31 | | 1480.6 | | | | | | | |
|  | OBS | 00230 | 06.66 | 34.78 | 27.31 | | 1481.2 | | | | | | | |
|  | STD | 00250 | 06.55 | 34.80 | 27.34 | 00.264 | 1481.1 | | | | | | | |
|  | OBS | C0250 | 06.55 | 34.80 | 27.34 | | 1481.1 | | | | | | | |
|  | OBS | 00280 | 06.08 | 34.78 | 27.39 | | 1479.7 | | | | | | | |
|  | STD | 00300 | 05.10 | 34.67 | 27.42 | 00.301 | 1475.9 | | | | | | | |
|  | OBS | 00300 | 05.10 | 34.67 | 27.42 | | 1475.9 | | | | | | | |
|  | OBS | 00325 | 04.17 | 34.57 | 27.45 | | 1472.3 | | | | | | | |
|  | OBS | 00350 | 05.05 | 34.75 | 27.49 | | 1476.6 | | | | | | | |
|  | OBS | 00360 | 05.36 | 34.81 | 27.50 | | 1478.2 | | | | | | | |
|  | STD | C0400 | 05.15 | 34.83 | 27.54 | 00.366 | 1478.0 | | | | | | | |
|  | OBS | 00400 | 05.15 | 34.83 | 27.54 | | 1478.0 | | | | | | | |
|  | OBS | 00405 | 05.04 | 34.82 | 27.55 | | 1477.6 | | | | | | | |
|  | OBS | 00437 | 05.21 | 34.90 | 27.59 | | 1478.9 | | | | | | | |
|  | OBS | 00450 | 05.15 | 34.92 | 27.62 | | 1478.9 | | | | | | | |
|  | OBS | 00472 | 04.75 | 34.87 | 27.62 | | 1477.6 | | | | | | | |
|  | STD | 00500 | 04.63 | 34.87 | 27.64 | 00.422 | 1477.6 | | | | | | | |
|  | OBS | 00500 | 04.63 | 34.87 | 27.64 | | 1477.6 | | | | | | | |
|  | OBS | 00510 | 04.52 | 34.53 | 27.65 | | 1479.0 | | | | | | | |
|  | OBS | 00520 | 04.57 | 34.87 | 27.64 | | 1477.6 | | | | | | | |
|  | OBS | 00548 | 04.51 | 34.56 | 27.68 | | 1475.6 | | | | | | | |
|  | OBS | 00560 | 04.73 | 34.93 | 27.67 | | 1479.0 | | | | | | | |
|  | STD | 00600 | 04.83 | 34.94 | 27.67 | 00.473 | 1480.1 | | | | | | | |
|  | OBS | C0600 | 04.83 | 34.94 | 27.67 | | 1480.1 | | | | | | | |
|  | OBS | 00650 | 04.75 | 34.58 | 27.71 | | 1480.7 | | | | | | | |
|  | OBS | 00670 | 04.57 | 34.56 | 27.71 | | 1480.2 | | | | | | | |
|  | STD | 00700 | 04.56 | 35.00 | 27.75 | 00.520 | 1480.8 | | | | | | | |
|  | OBS | 00700 | 04.56 | 35.00 | 27.75 | | 1480.8 | | | | | | | |
|  | STD | C0800 | 04.37 | 34.97 | 27.74 | 00.564 | 1481.6 | | | | | | | |
|  | OBS | 00800 | 04.37 | 34.97 | 27.74 | | 1481.6 | | | | | | | |
|  | STD | 00900 | 04.14 | 34.95 | 27.75 | 00.609 | 1482.3 | | | | | | | |
|  | OBS | C0900 | 04.14 | 34.95 | 27.75 | | 1482.3 | | | | | | | |
|  | STD | 01000 | 04.03 | 34.95 | 27.76 | 00.653 | 14E3.5 | | | | | | | |
|  | OBS | C1000 | 04.03 | 34.95 | 27.76 | | 1483.5 | | | | | | | |

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

| REFID 31 8463 | YEAR 1973 | BOTDP 03585 | AIR TEMP 06.8 | DIR HGT PER | WIND-DIR 24 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0053 | MONTH 05 | SHIP EV | WET BULB 05.4 | 25 3 5 | WIND-SPD 26 | TRACE DIR 0 | 5 SQUARE 1 |
| LAT 43 48.5N | DAY 31 | DATA USE 1 | BAROMETR 1003.3 | SEA | WIND-FOR | DURATION 00.3 | 2 SQUARE 24 |
| LONG 044 48.0W | HOUR 07.1 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X2 | ORIG 011 832 | 3 SQUARE 34 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 07.53 | 34.04 | 26.61 | 00.000 | 1479.5 | | | | | | | |
| 07.1 | OBS | 00000 | 07.53 | 34.04 | 26.61 | | 1479.9 | | | | | | | |
| | STD | 00010 | 07.53 | 34.04 | 26.61 | 00.014 | 1480.0 | | | | | | | |
| | OBS | 00010 | 07.53 | 34.04 | 26.61 | | 1480.0 | | | | | | | |
| | STD | 00020 | 07.53 | 34.04 | 26.61 | 00.029 | 1480.2 | | | | | | | |
| | OBS | 00020 | 07.53 | 34.04 | 26.61 | | 1480.2 | | | | | | | |
| | STD | 00030 | 07.53 | 34.04 | 26.61 | 00.043 | 1480.4 | | | | | | | |
| | OBS | 00030 | 07.53 | 34.04 | 26.61 | | 1480.4 | | | | | | | |
| | STD | 00050 | 07.60 | 34.07 | 26.62 | 00.072 | 1481.0 | | | | | | | |
| | OBS | 00050 | 07.60 | 34.07 | 26.62 | | 1481.0 | | | | | | | |
| | OBS | 00053 | 06.18 | 33.52 | 26.70 | | 1475.2 | | | | | | | |
| | OBS | 00057 | 06.23 | 34.00 | 26.76 | | 1475.6 | | | | | | | |
| | OBS | 00059 | 06.65 | 34.11 | 26.78 | | 1477.6 | | | | | | | |
| | OBS | 00060 | 06.70 | 34.07 | 26.75 • | | 1477.6 | | | | | | | |
| | OBS | 00062 | 07.39 | 34.32 | 26.85 | | 1480.7 | | | | | | | |
| | OBS | 00068 | 07.76 | 34.30 | 26.78 • | | 1482.2 | | | | | | | |
| | OBS | 00070 | 06.28 | 34.47 | 26.84 | | 1484.5 | | | | | | | |
| | STD | 00075 | 07.90 | 34.43 | 26.87 | 00.105 | 1483.0 | | | | | | | |
| | STD | 00100 | 06.62 | 34.24 | 26.90 | 00.135 | 1478.2 | | | | | | | |
| | OBS | 00112 | 06.47 | 34.15 | 26.84 • | | 1477.7 | | | | | | | |
| | OBS | 00116 | 06.49 | 34.17 | 26.86 | | 1477.8 | | | | | | | |
| | OBS | 00118 | 05.83 | 34.17 | 26.94 | | 1475.2 | | | | | | | |
| | STD | 00125 | 07.01 | 34.51 | 27.05 | 00.163 | 1480.5 | | | | | | | |
| | OBS | 00125 | 07.04 | 34.52 | 27.06 | | 1480.6 | | | | | | | |
| | OBS | 00133 | 06.45 | 34.46 | 27.09 | | 1478.4 | | | | | | | |
| | STD | 00150 | 06.76 | 34.53 | 27.11 | 00.188 | 1480.0 | | | | | | | |
| | OBS | 00167 | 06.94 | 34.59 | 27.13 | | 1481.0 | | | | | | | |
| | STD | 00200 | 06.51 | 34.60 | 27.19 | 00.236 | 1479.9 | | | | | | | |
| | OBS | 00243 | 06.04 | 34.61 | 27.26 | | 1478.7 | | | | | | | |
| | STD | 00250 | 05.98 | 34.64 | 27.29 | 00.275 | 1478.6 | | | | | | | |
| | OBS | 00251 | 05.57 | 34.65 | 27.30 | | 1478.6 | | | | | | | |
| | OBS | 00255 | 06.08 | 34.66 | 27.31 | | 1475.2 | | | | | | | |
| | STD | 00300 | 05.83 | 34.69 | 27.35 | 00.315 | 1478.5 | | | | | | | |
| | OBS | 00304 | 05.77 | 34.71 | 27.37 | | 1478.8 | | | | | | | |
| | OBS | 00308 | 05.72 | 34.73 | 27.40 | | 1478.7 | | | | | | | |
| | OBS | 00319 | 06.27 | 34.64 | 27.41 | | 1481.2 | | | | | | | |
| | OBS | 00331 | 05.99 | 34.77 | 27.39 | | 1480.2 | | | | | | | |
| | OBS | 00359 | 04.68 | 34.68 | 27.48 | | 1475.2 | | | | | | | |
| | OBS | 00371 | 04.77 | 34.72 | 27.50 | | 1475.8 | | | | | | | |
| | OBS | 00373 | 04.67 | 34.70 | 27.50 | | 1475.4 | | | | | | | |
| | STD | 00400 | 04.67 | 34.75 | 27.54 | 00.368 | 1475.5 | | | | | | | |
| | OBS | 00420 | 04.75 | 34.80 | 27.57 | | 1476.6 | | | | | | | |
| | OBS | 00451 | 04.58 | 34.86 | 27.60 | | 1478.2 | | | | | | | |
| | OBS | 00491 | 04.54 | 34.84 | 27.62 | | 1477.0 | | | | | | | |
| | STD | 00500 | 04.58 | 34.82 | 27.60 | 00.446 | 1477.3 | | | | | | | |
| | OBS | 00502 | 04.59 | 34.82 | 27.60 | | 1477.4 | | | | | | | |
| | OBS | 00552 | 04.84 | 34.94 | 27.67 | | 1475.4 | | | | | | | |
| | STD | 00600 | 04.60 | 34.90 | 27.66 | 00.458 | 1475.1 | | | | | | | |
| | OBS | 00605 | 04.59 | 34.90 | 27.66 | | 1475.2 | | | | | | | |
| | OBS | 00681 | 04.75 | 34.98 | 27.71 | | 1481.2 | | | | | | | |
| | STD | 00700 | 04.65 | 34.96 | 27.71 | 00.547 | 1481.1 | | | | | | | |
| | OBS | 00702 | 04.64 | 34.96 | 27.71 | | 1481.1 | | | | | | | |
| | OBS | 00750 | 04.64 | 34.98 | 27.72 | | 1481.5 | | | | | | | |
| | STD | 00800 | 04.56 | 34.98 | 27.73 | 00.594 | 1482.4 | | | | | | | |
| | OBS | 00803 | 04.55 | 34.98 | 27.73 | | 1482.4 | | | | | | | |
| | OBS | 00871 | 04.38 | 34.97 | 27.74 | | 1482.8 | | | | | | | |
| | STD | 00900 | 04.32 | 34.96 | 27.74 | 00.640 | 1483.0 | | | | | | | |
| | OBS | 00900 | 04.32 | 34.96 | 27.74 | | 1483.0 | | | | | | | |
| | OBS | 00565 | 04.23 | 34.96 | 27.75 | | 1484.1 | | | | | | | |
| | STD | 01000 | 04.21 | 34.96 | 27.75 | 00.686 | 1484.2 | | | | | | | |
| | OBS | 01005 | 04.20 | 34.96 | 27.75 | | 1484.3 | | | | | | | |
| | OBS | 01062 | 04.14 | 34.96 | 27.76 | | 1485.0 | | | | | | | |
| | OBS | 01067 | 04.14 | 34.96 | 27.76 | | 1485.1 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFIC 31 8463 | YEAR 1975 | BOTOP 04482 | AIR TEMP 07.9 | OIR HGT PER | WIND-OIR 25 | INST STD RECORDER | TEN SG 1306 |
| CONSEC 0054 | MONTH 05 | SHIP EV | WET BULB 00.5 | 24 3 5 | WIND-SPD 31 | TRACE OIR G | 5 SQUARE 2 |
| LAT 44 14.3N | DAY 31 | DATA USE 1 | BAROMETR 1006.6 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 44 |
| LONG 045 24.0W | HOUR 18.1 | AREA 05 | CLOUD T/A | CL/TA | WEATHER X2 | OR16 G11 833 | 1 SQUARE 45 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 06.99 | 33.92 | 26.59 | 00.000 | 1477.6 | | | | | | | |
| 18.1 | OBS | 00001 | 06.99 | 33.92 | 26.59 | | 1477.6 | | | | | | | |
| | STD | 00010 | 06.99 | 33.93 | 26.60 | 00.015 | 1477.8 | | | | | | | |
| | OBS | 00013 | 06.99 | 33.93 | 26.60 | | 1477.8 | | | | | | | |
| | STD | 00020 | 07.10 | 34.05 | 26.68 | 00.029 | 1478.5 | | | | | | | |
| | OBS | 00020 | 07.11 | 34.05 | 26.68 | | 1478.6 | | | | | | | |
| | OBS | 00024 | 07.17 | 34.04 | 26.66 | | 1478.9 | | | | | | | |
| | OBS | 00026 | 08.24 | 34.31 | 26.72 | | 1483.4 | | | | | | | |
| | STD | 00030 | 08.29 | 34.32 | 26.71 | 00.042 | 1483.6 | | | | | | | |
| | OBS | 00032 | 08.31 | 34.32 | 26.71 | | 1483.8 | | | | | | | |
| | STD | 00050 | 08.30 | 34.33 | 26.72 | 00.069 | 1484.0 | | | | | | | |
| | OBS | 00051 | 08.30 | 34.33 | 26.72 | | 1484.0 | | | | | | | |
| | OBS | 00062 | 08.62 | 34.54 | 26.84 | | 1485.7 | | | | | | | |
| | OBS | 00066 | 08.28 | 34.45 | 26.82 | | 1484.4 | | | | | | | |
| | OBS | 00070 | 07.56 | 34.43 | 26.91 | | 1481.6 | | | | | | | |
| | OBS | 00072 | 07.14 | 34.34 | 26.90 | | 1479.9 | | | | | | | |
| | STD | 00075 | 06.51 | 34.40 | 27.03 | 00.095 | 1477.6 | | | | | | | |
| | OBS | 00076 | 06.49 | 34.43 | 27.06 | | 1477.5 | | | | | | | |
| | OBS | 00078 | 06.76 | 34.49 | 27.07 | | 1478.7 | | | | | | | |
| | OBS | 00079 | 06.83 | 34.44 | 27.02 * | | 1479.0 | | | | | | | |
| | OBS | 00081 | 06.40 | 34.40 | 27.05 | | 1477.2 | | | | | | | |
| | STD | 00100 | 05.96 | 34.47 | 27.16 | 00.124 | 1475.9 | | | | | | | |
| | OBS | 00100 | 05.94 | 34.47 | 27.16 | | 1475.8 | | | | | | | |
| | OBS | 00112 | 05.68 | 34.47 | 27.20 | | 1474.9 | | | | | | | |
| | STD | 00125 | 06.02 | 34.58 | 27.24 | 00.146 | 1476.6 | | | | | | | |
| | OBS | 00125 | 06.03 | 34.58 | 27.24 | | 1476.7 | | | | | | | |
| | STD | 00150 | 06.12 | 34.66 | 27.29 | 00.167 | 1477.6 | | | | | | | |
| | OBS | 00150 | 06.13 | 34.66 | 27.29 | | 1477.6 | | | | | | | |
| | OBS | 00159 | 06.56 | 34.78 | 27.33 | | 1479.7 | | | | | | | |
| | OBS | 00177 | 06.85 | 34.85 | 27.34 | | 1481.2 | | | | | | | |
| | OBS | 00182 | 07.03 | 34.88 | 27.34 | | 1482.0 | | | | | | | |
| | OBS | 00194 | 07.58 | 34.99 | 27.35 | | 1484.4 | | | | | | | |
| | STD | 00200 | 07.51 | 34.96 | 27.33 | 00.207 | 1484.3 | | | | | | | |
| | OBS | 00201 | 07.37 | 34.94 | 27.34 | | 1483.7 | | | | | | | |
| | OBS | 00205 | 06.88 | 34.85 | 27.37 | | 1481.8 | | | | | | | |
| | OBS | 00230 | 05.94 | 34.76 | 27.39 | | 1478.3 | | | | | | | |
| | OBS | 00232 | 05.63 | 34.74 | 27.42 | | 1477.1 | | | | | | | |
| | STD | 00250 | 05.54 | 34.75 | 27.43 | 00.244 | 1477.0 | | | | | | | |
| | OBS | 00251 | 05.52 | 34.75 | 27.44 | | 1476.9 | | | | | | | |
| | OBS | 00272 | 04.78 | 34.68 | 27.47 | | 1474.2 | | | | | | | |
| | OBS | 00287 | 04.15 | 34.64 | 27.51 | | 1471.7 | | | | | | | |
| | STD | 00300 | 04.25 | 34.67 | 27.52 | 00.276 | 1472.4 | | | | | | | |
| | OBS | 00302 | 04.27 | 34.68 | 27.52 | | 1472.5 | | | | | | | |
| | OBS | 00352 | 04.44 | 34.78 | 27.59 | | 1474.2 | | | | | | | |
| | STD | 00400 | 04.78 | 34.86 | 27.61 | 00.333 | 1476.5 | | | | | | | |
| | OBS | 00407 | 04.81 | 34.87 | 27.62 | | 1476.8 | | | | | | | |
| | OBS | 00454 | 04.89 | 34.94 | 27.66 | | 1476.0 | | | | | | | |
| | STD | 00500 | 05.06 | 35.00 | 27.69 | 00.384 | 1479.5 | | | | | | | |
| | OBS | 00500 | 05.06 | 35.00 | 27.69 | | 1479.5 | | | | | | | |
| | OBS | 00550 | 05.00 | 35.01 | 27.70 | | 1480.1 | | | | | | | |
| | STD | 00600 | 04.74 | 34.99 | 27.72 | 00.430 | 1479.8 | | | | | | | |
| | OBS | 00603 | 04.73 | 34.99 | 27.72 | | 1479.8 | | | | | | | |
| | OBS | 00651 | 04.59 | 34.98 | 27.73 | | 1480.0 | | | | | | | |
| | STD | 00700 | 04.51 | 34.98 | 27.74 | 00.475 | 1480.5 | | | | | | | |
| | OBS | 00706 | 04.50 | 34.98 | 27.74 | | 1480.6 | | | | | | | |
| | OBS | 00751 | 04.38 | 34.97 | 27.74 | | 1480.8 | | | | | | | |
| | STD | 00800 | 04.28 | 34.97 | 27.75 | 00.519 | 1481.2 | | | | | | | |
| | OBS | 00805 | 04.27 | 34.97 | 27.76 | | 1481.3 | | | | | | | |
| | OBS | 00854 | 04.18 | 34.96 | 27.76 | | 1481.7 | | | | | | | |
| | STD | 00900 | 04.15 | 34.96 | 27.76 | 00.563 | 1482.3 | | | | | | | |
| | OBS | 00951 | 04.09 | 34.98 | 27.77 | | 1482.9 | | | | | | | |
| | STD | 01000 | 04.02 | 34.95 | 27.77 | 00.606 | 1483.4 | | | | | | | |
| | OBS | 01001 | 04.02 | 34.95 | 27.77 | | 1483.4 | | | | | | | |
| | OBS | 01022 | 03.96 | 34.94 | 27.76 | | 1483.5 | | | | | | | |

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Table II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC   STATION   DATA

| REFIC   31   8463 | YEAR 1975 | BOTOP 03696 | AIR TEMP   06.5 | DIR HGT PER | WIND-DIR 15 | INST STC RECORDER | TEN SO 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC      0055 | MONTH 05 | SHIP EV | WET BULB   06.1 | 23   5   3 | WIND-SPD 18 | TRACE DIR          0 | 5 SQUARE   2 |
| LAT    44 40.8N | DAY   31 | DATA USE  1 | BARCMETR 1000.5 | SEA | WIND-FOR | DURATION       00.6 | 2 SQUARE 46 |
| LONG  046 01.0W | HOUR 23.0 | AREA     05 | CLOUD T/A | CL/TR | WEATHER 16 | DRIG 011 834 | 1 SQUARE 46 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 05.63 | 33.50 | 26.44 | 00.000 | 1471.6 | | | | | | | |
| 23.0 | OBS | 00005 | 05.63 | 33.50 | 26.44 | | 1471.7 | | | | | | | |
| | STD | 00010 | 05.63 | 33.50 | 26.44 | 00.016 | 1471.8 | | | | | | | |
| | OBS | 00011 | 05.63 | 33.50 | 26.44 | | 1471.8 | | | | | | | |
| | STD | 00020 | 05.64 | 33.50 | 26.43 | 00.032 | 1472.0 | | | | | | | |
| | OBS | 00020 | 05.67 | 33.50 | 26.43 | | 1472.1 | | | | | | | |
| | OBS | 00024 | 05.84 | 33.56 | 26.46 | | 1472.5 | | | | | | | |
| | OBS | 00026 | 06.43 | 33.91 | 26.66 | | 1475.8 | | | | | | | |
| | STD | 00030 | 07.34 | 34.05 | 26.65 | 00.047 | 1479.6 | | | | | | | |
| | OBS | 00030 | 07.44 | 34.07 | 26.65 | | 1480.1 | | | | | | | |
| | OBS | 00043 | 07.55 | 34.12 | 26.67 | | 1480.8 | | | | | | | |
| | STD | 00050 | 07.36 | 34.15 | 26.72 | 00.075 | 1480.2 | | | | | | | |
| | OBS | 00055 | 06.93 | 34.18 | 26.60 | | 1478.6 | | | | | | | |
| | OBS | 00055 | 06.46 | 34.13 | 26.83 | | 1476.7 | | | | | | | |
| | OBS | 00072 | 06.01 | 34.15 | 26.90 | | 1475.2 | | | | | | | |
| | OBS | 00074 | 05.41 | 34.22 | 27.03 | | 1472.5 | | | | | | | |
| | STD | 00075 | 05.40 | 34.24 | 27.04 | 00.104 | 1472.5 | | | | | | | |
| | OBS | 00076 | 05.38 | 34.25 | 27.06 | | 1472.8 | | | | | | | |
| | OBS | 00079 | 05.20 | 34.24 | 27.07 | | 1472.1 | | | | | | | |
| | STD | 00100 | 05.35 | 34.36 | 27.16 | 00.125 | 1473.3 | | | | | | | |
| | OBS | 00100 | 05.36 | 34.38 | 27.16 | | 1473.3 | | | | | | | |
| | STD | 00125 | 05.31 | 34.37 | 27.16 | 00.152 | 1473.5 | | | | | | | |
| | OBS | 00131 | 04.97 | 34.37 | 27.20 | | 1472.2 | | | | | | | |
| | OBS | 00133 | 04.84 | 34.38 | 27.22 | | 1471.7 | | | | | | | |
| | STD | 00150 | 05.20 | 34.46 | 27.26 | 00.174 | 1473.6 | | | | | | | |
| | OBS | 00152 | 05.21 | 34.49 | 27.27 | | 1473.7 | | | | | | | |
| | OBS | 00177 | 04.82 | 34.52 | 27.34 | | 1472.5 | | | | | | | |
| | STD | 00200 | 04.87 | 34.57 | 27.37 | 00.213 | 1473.2 | | | | | | | |
| | OBS | 00201 | 04.86 | 34.58 | 27.38 | | 1473.3 | | | | | | | |
| | OBS | 00226 | 05.05 | 34.67 | 27.43 | | 1474.5 | | | | | | | |
| | STD | 00250 | 05.68 | 34.79 | 27.45 | 00.248 | 1477.6 | | | | | | | |
| | OBS | 00253 | 05.71 | 34.80 | 27.45 | | 1477.8 | | | | | | | |
| | OBS | 00262 | 05.74 | 34.81 | 27.46 | | 1478.1 | | | | | | | |
| | OBS | 00270 | 06.01 | 34.88 | 27.48 | | 1479.4 | | | | | | | |
| | OBS | 00276 | 05.18 | 34.79 | 27.51 | | 1476.0 | | | | | | | |
| | STD | 00300 | 05.32 | 34.85 | 27.54 | 00.280 | 1477.0 | | | | | | | |
| | OBS | 00300 | 05.32 | 34.85 | 27.54 | | 1477.1 | | | | | | | |
| | OBS | 00316 | 04.45 | 34.75 | 27.56 | | 1473.6 | | | | | | | |
| | OBS | 00350 | 04.45 | 34.79 | 27.55 | | 1474.2 | | | | | | | |
| | STD | 00400 | 04.81 | 34.69 | 27.63 | 00.336 | 1476.7 | | | | | | | |
| | OBS | 00401 | 04.82 | 34.69 | 27.63 | | 1476.7 | | | | | | | |
| | OBS | 00453 | 05.22 | 34.59 | 27.66 | | 1479.4 | | | | | | | |
| | STD | 00500 | 04.99 | 35.01 | 27.70 | 00.365 | 1475.2 | | | | | | | |
| | OBS | 00502 | 04.98 | 35.01 | 27.71 | | 1475.2 | | | | | | | |
| | OBS | 00555 | 04.95 | 35.04 | 27.73 | | 1480.0 | | | | | | | |
| | OBS | 00595 | 04.61 | 34.96 | 27.71 | | 1475.2 | | | | | | | |
| | STD | 00600 | 04.54 | 34.95 | 27.71 | 00.431 | 1478.9 | | | | | | | |
| | OBS | 00605 | 04.39 | 34.94 | 27.72 | | 1478.5 | | | | | | | |
| | OBS | 00624 | 04.14 | 34.95 | 27.75 | | 1477.7 | | | | | | | |
| | OBS | 00651 | 04.28 | 34.96 | 27.75 | | 1476.7 | | | | | | | |
| | STD | 00700 | 04.07 | 34.94 | 27.75 | 00.475 | 1476.6 | | | | | | | |
| | OBS | 00700 | 04.07 | 34.94 | 27.75 | | 1478.6 | | | | | | | |
| | OBS | 00751 | 04.09 | 34.95 | 27.76 | | 1479.6 | | | | | | | |
| | STD | 00800 | 04.12 | 34.96 | 27.76 | 00.517 | 1480.5 | | | | | | | |
| | OBS | 00601 | 04.12 | 34.96 | 27.76 | | 1480.6 | | | | | | | |
| | OBS | 00850 | 04.12 | 34.96 | 27.76 | | 1481.4 | | | | | | | |
| | STD | 00900 | 03.96 | 34.94 | 27.76 | 00.560 | 1481.5 | | | | | | | |
| | OBS | 00906 | 03.95 | 34.94 | 27.77 | | 1481.6 | | | | | | | |
| | OBS | 00957 | 03.90 | 34.95 | 27.78 | | 1482.2 | | | | | | | |
| | STD | 01000 | 03.93 | 34.95 | 27.78 | 00.602 | 1483.0 | | | | | | | |
| | OBS | 01001 | 03.93 | 34.95 | 27.78 | | 1483.1 | | | | | | | |
| | OBS | 01058 | 03.84 | 34.94 | 27.78 | | 1483.6 | | | | | | | |
| | OBS | 01062 | 03.86 | 34.95 | 27.78 | | 1483.8 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID 31 8463 | YEAR 1975 | BOTOP 03919 | AIR TEMP 04.9 | DIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0056 | MONTH 06 | SHIP EV | WET BULB 04.5 | 20 0 2 | WIND-SPD 18 | TRACE DIR 0 | 5 SQUARE 2 |
| LAT 44 53.0N | DAY 01 | DATA USE 1 | BAROMETR 1003.6 | SEA | WIND-FOR | DURATION 00.3 | 2 SQUARE 46 |
| LONG 046 21.0W | HOUR 02.4 | AREA 05 | CLOUD 7/6 | CL/TR | WEATHER X4 | DRID 011 B35 | 1 SQUARE 46 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02.4 | STD | 00000 | 07.10 | 34.12 | 26.73 | 00.000 | 1478.3 | | | | | | | |
| | OBS | 00001 | 07.10 | 34.12 | 26.73 | | 1478.3 | | | | | | | |
| | STD | 00010 | 07.10 | 34.13 | 26.74 | 00.013 | 1478.5 | | | | | | | |
| | OBS | 00011 | 07.10 | 34.13 | 26.74 | | 1478.5 | | | | | | | |
| | STD | 00020 | 07.26 | 34.17 | 26.75 | 00.026 | 1479.3 | | | | | | | |
| | OBS | 00022 | 07.33 | 34.19 | 26.76 | | 1479.7 | | | | | | | |
| | STD | 00030 | 07.55 | 34.28 | 26.78 | 00.039 | 1480.7 | | | | | | | |
| | OBS | 00030 | 07.56 | 34.26 | 26.78 | | 1480.8 | | | | | | | |
| | STD | 00050 | 07.82 | 34.33 | 26.80 | 00.065 | 1482.2 | | | | | | | |
| | OBS | 00051 | 07.83 | 34.34 | 26.80 | | 1482.3 | | | | | | | |
| | STD | 00075 | 07.99 | 34.59 | 26.97 | 00.094 | 1483.8 | | | | | | | |
| | OBS | 00078 | 08.01 | 34.62 | 26.99 | | 1483.7 | | | | | | | |
| | OBS | 00085 | 06.98 | 34.57 | 27.10 | | 1479.8 | | | | | | | |
| | OBS | 00095 | 07.03 | 34.57 | 27.10 | | 1480.2 | | | | | | | |
| | OBS | 00097 | 07.51 | 34.65 | 27.12 | | 1482.2 | | | | | | | |
| | STD | 00100 | 07.50 | 34.68 | 27.12 | 00.120 | 1482.2 | | | | | | | |
| | OBS | 00102 | 07.49 | 34.68 | 27.12 | | 1482.2 | | | | | | | |
| | OBS | 00106 | 07.20 | 34.73 | 27.20 | | 1481.2 | | | | | | | |
| | OBS | 00123 | 06.84 | 34.75 | 27.26 | | 1480.1 | | | | | | | |
| | STD | 00125 | 06.88 | 34.75 | 27.26 | 00.143 | 1480.3 | | | | | | | |
| | OBS | 00131 | 07.01 | 34.75 | 27.24 | | 1480.9 | | | | | | | |
| | OBS | 00142 | 06.94 | 34.70 | 27.21 • | | 1480.8 | | | | | | | |
| | STD | 00150 | 05.99 | 34.56 | 27.23 | 00.165 | 1476.9 | | | | | | | |
| | OBS | 00150 | 05.97 | 34.55 | 27.22 | | 1476.8 | | | | | | | |
| | OBS | 00154 | 05.95 | 34.60 | 27.26 | | 1476.9 | | | | | | | |
| | OBS | 00156 | 06.70 | 34.81 | 27.33 | | 1480.2 | | | | | | | |
| | OBS | 00159 | 06.82 | 34.78 | 27.29 • | | 1480.7 | | | | | | | |
| | OBS | 00165 | 06.44 | 34.69 | 27.27 | | 1479.1 | | | | | | | |
| | OBS | 00169 | 05.35 | 34.53 | 27.28 | | 1474.6 | | | | | | | |
| | OBS | 00173 | 05.07 | 34.53 | 27.32 | | 1473.5 | | | | | | | |
| | OBS | 00178 | 05.09 | 34.55 | 27.33 | | 1473.7 | | | | | | | |
| | OBS | 00188 | 05.55 | 34.65 | 27.35 | | 1475.9 | | | | | | | |
| | OBS | 00190 | 05.22 | 34.62 | 27.37 | | 1474.5 | | | | | | | |
| | STD | 00200 | 05.20 | 34.63 | 27.38 | 00.205 | 1474.6 | | | | | | | |
| | OBS | 00201 | 05.18 | 34.63 | 27.38 | | 1474.6 | | | | | | | |
| | OBS | 00215 | 04.86 | 34.60 | 27.40 | | 1473.4 | | | | | | | |
| | OBS | 00228 | 05.00 | 34.67 | 27.44 | | 1474.3 | | | | | | | |
| | STD | 00250 | 04.95 | 34.69 | 27.46 | 00.240 | 1474.5 | | | | | | | |
| | OBS | 00251 | 04.93 | 34.69 | 27.46 | | 1474.4 | | | | | | | |
| | OBS | 00266 | 04.55 | 34.62 | 27.45 | | 1473.0 | | | | | | | |
| | OBS | 00272 | 04.57 | 34.75 | 27.55 | | 1473.4 | | | | | | | |
| | OBS | 00276 | 04.93 | 34.75 | 27.51 • | | 1474.9 | | | | | | | |
| | OBS | 00285 | 05.58 | 34.87 | 27.52 | | 1477.9 | | | | | | | |
| | STD | 00300 | 05.47 | 34.84 | 27.51 | 00.272 | 1477.6 | | | | | | | |
| | OBS | 00300 | 05.41 | 34.63 | 27.51 | | 1477.4 | | | | | | | |
| | OBS | 00306 | 04.86 | 34.76 | 27.52 | | 1475.2 | | | | | | | |
| | OBS | 00350 | 04.55 | 34.77 | 27.57 | | 1474.6 | | | | | | | |
| | STD | 00400 | 04.52 | 34.85 | 27.63 | 00.329 | 1475.4 | | | | | | | |
| | OBS | 00401 | 04.52 | 34.85 | 27.63 | | 1475.4 | | | | | | | |
| | OBS | 00418 | 04.79 | 34.91 | 27.65 | | 1476.9 | | | | | | | |
| | OBS | 00420 | 05.52 | 35.06 | 27.68 | | 1480.1 | | | | | | | |
| | OBS | 00453 | 05.38 | 35.01 | 27.66 | | 1480.0 | | | | | | | |
| | STD | 00500 | 05.24 | 35.03 | 27.69 | 00.378 | 1480.3 | | | | | | | |
| | OBS | 00500 | 05.24 | 35.03 | 27.69 | | 1480.3 | | | | | | | |
| | OBS | 00553 | 04.95 | 35.02 | 27.72 | | 1480.0 | | | | | | | |
| | STD | 00600 | 04.84 | 34.98 | 27.70 | 00.425 | 1480.2 | | | | | | | |
| | OBS | 00609 | 04.79 | 34.98 | 27.71 | | 1480.2 | | | | | | | |
| | OBS | 00652 | 04.45 | 34.98 | 27.74 | | 1479.5 | | | | | | | |
| | STD | 00700 | 04.53 | 35.00 | 27.75 | 00.471 | 1480.6 | | | | | | | |
| | OBS | 00706 | 04.54 | 35.00 | 27.75 | | 1480.8 | | | | | | | |
| | OBS | 00753 | 04.41 | 34.99 | 27.76 | | 1481.0 | | | | | | | |
| | STD | 00800 | 04.29 | 34.97 | 27.75 | 00.514 | 1481.3 | | | | | | | |
| | OBS | 00801 | 04.29 | 34.97 | 27.75 | | 1481.3 | | | | | | | |
| | OBS | 00850 | 04.27 | 34.98 | 27.76 | | 1482.0 | | | | | | | |
| | STD | 00900 | 04.11 | 34.96 | 27.77 | 00.557 | 1482.1 | | | | | | | |
| | OBS | 00908 | 04.09 | 34.96 | 27.77 | | 1482.2 | | | | | | | |
| | OBS | 00951 | 04.04 | 34.95 | 27.76 | | 1482.7 | | | | | | | |
| | STD | 01000 | 03.97 | 34.95 | 27.77 | 00.601 | 1483.1 | | | | | | | |
| | OBS | 01008 | 03.96 | 34.95 | 27.77 | | 1483.3 | | | | | | | |
| | OBS | 01047 | 03.90 | 34.94 | 27.77 | | 1483.7 | | | | | | | |
| | OBS | 01054 | 03.90 | 34.94 | 27.77 | | 1483.8 | | | | | | | |

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TABLE II.  USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC  STATION  DATA

| RSFIC  31  8463 | YEAR 1575 | BOTCP 03460 | AIR TEMP   05.1 | DIR HGT PER | WIND-DIR 08 | INST STD RECORDER | TEN SO 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC     0057 | MONTH  06 | SHIP EV | WET BULB    04.3 | 22   2   5 | WIND-SPD 02 | TRACE DIR         0 | 5 SQUARE  4 |
| LAT    45 05.2N | DAY    01 | DATA USE   1 | BARCMETR 1001.8 | SEA | WIND-FOR | DURATION       00.3 | 2 SQUARE 46 |
| LONG   046 42.CW | HOUR | AREA       05 | CLOUD 7/A | CL/TR | WEATHER  XS | DRIG CII 036 | I SQUARE 56 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNOPTH | SND VEL | OXYG | PO4 | TOT P | NC2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 05.70 | 33.75 | 26.63 | CC.000 | 1472.2 | | | | | | | |
| | OBS | 00000 | 05.70 | 33.754 | 26.63 | | 1472.2 | | | | | | | |
| | OBS | 00009 | 05.70 | 33.754 | 26.63 | | 1472.4 | | | | | | | |
| | STD | 00010 | 05.71 | 33.76 | 26.63 | 00.014 | 1472.4 | | | | | | | |
| | OBS | 00011 | 05.72 | 33.7C4 | 26.63 | | 1472.5 | | | | | | | |
| | OBS | 00013 | 05.72 | 33.757 | 26.63 | | 1472.5 | | | | | | | |
| | OBS | 00015 | 05.74 | 33.773 | 26.64 | | 1472.7 | | | | | | | |
| | STC | 00020 | 05.75 | 33.76 | 26.63 | 00.028 | 1472.7 | | | | | | | |
| | OBS | 00022 | 05.75 | 33.753 | 26.62 | | 1472.8 | | | | | | | |
| | OBS | 00024 | 05.77 | 33.784 | 26.64 | | 1472.9 | | | | | | | |
| | STD | 00030 | 05.82 | 33.82 | 26.66 | 00.042 | 1473.3 | | | | | | | |
| | OBS | 00030 | 05.83 | 33.816 | 26.66 | | 1473.3 | | | | | | | |
| | OBS | 00034 | 05.95 | 33.835 | 26.68 | | 1473.6 | | | | | | | |
| | OBS | 00036 | 06.13 | 33.997 | 26.77 | | 1474.9 | | | | | | | |
| | OBS | 00040 | 07.35 | 34.310 | 26.85 | | 1480.2 | | | | | | | |
| | OBS | 00043 | 07.39 | 34.305 | 26.84 | | 1480.4 | | | | | | | |
| | STD | 00050 | 06.47 | 34.18 | 26.87 | 00.068 | 1476.7 | | | | | | | |
| | OBS | 00053 | 05.77 | 34.120 | 26.51 | | 1473.5 | | | | | | | |
| | OBS | 00C57 | 04.75 | 34.050 | 26.97 | | 1469.8 | | | | | | | |
| | OBS | 00060 | 04.70 | 34.060 | 26.99 | | 1469.5 | | | | | | | |
| | OBS | 00062 | 04.12 | 33.957 | 26.57 | | 1467.0 | | | | | | | |
| | OBS | 00064 | 02.76 | 33.92C | 27.07 | | 1461.2 | | | | | | | |
| | OBS | 00070 | 02.73 | 33.900 | 27.05 | | 1461.1 | | | | | | | |
| | STD | 00075 | 03.42 | 33.96 | 27.04 | 00.096 | 1464.3 | | | | | | | |
| | OBS | 00081 | 04.38 | 34.200 | 27.13 | | 1468.7 | | | | | | | |
| | OBS | 00083 | 04.62 | 34.255 | 27.18 | | 1469.9 | | | | | | | |
| | OBS | 00085 | 04.48 | 34.260 | 27.17 | | 1469.3 | | | | | | | |
| | OBS | 00093 | 04.57 | 34.307 | 27.20 | | 1469.8 | | | | | | | |
| | STC | 00100 | 04.50 | 34.39 | 27.23 | 0C.120 | 1471.4 | | | | | | | |
| | OBS | 00102 | 04.98 | 34.420 | 27.24 | | 1471.8 | | | | | | | |
| | OBS | 00118 | 04.88 | 34.470 | 27.29 | | 1471.8 | | | | | | | |
| | STD | 00125 | 04.53 | 34.49 | 27.30 | 00.141 | 1472.1 | | | | | | | |
| | OBS | 00127 | 04.95 | 34.490 | 27.30 | | 1472.2 | | | | | | | |
| | OBS | 00139 | 04.68 | 34.480 | 27.32 | | 1471.3 | | | | | | | |
| | OBS | 00144 | 05.28 | 34.640 | 27.38 | | 1474.1 | | | | | | | |
| | STD | 00150 | 05.70 | 34.67 | 27.35  • | 00.160 | 1475.5 | | | | | | | |
| | OBS | 00156 | 05.83 | 34.687 | 27.35 | | 1476.5 | | | | | | | |
| | OBS | 00165 | 05.27 | 34.675 | 27.41 | | 1474.4 | | | | | | | |
| | OBS | 00175 | 05.31 | 34.720 | 27.44 | | 1474.8 | | | | | | | |
| | STD | 00200 | 05.24 | 34.75 | 27.47 | 00.195 | 1475.0 | | | | | | | |
| | OBS | 00203 | 05.22 | 34.760 | 27.48 | | 1474.5 | | | | | | | |
| | OBS | 00213 | 05.16 | 34.795 | 27.52 | | 1474.9 | | | | | | | |
| | OBS | 00232 | 04.65 | 34.725 | 27.52 | | 1473.0 | | | | | | | |
| | OBS | 00243 | C4.55 | 34.700 | 27.51 | | 1472.8 | | | | | | | |
| | OBS | 00247 | 04.48 | 34.710 | 27.53 | | 1472.5 | | | | | | | |
| | STD | 00250 | 04.45 | 34.71 | 27.53 | 00.226 | 1472.5 | | | | | | | |
| | OBS | 00268 | 04.41 | 34.730 | 27.55 | | 1472.6 | | | | | | | |
| | OBS | 00289 | 04.70 | 34.830 | 27.60 | | 1474.3 | | | | | | | |
| | STD | 00300 | 04.34 | 34.76 | 27.58 | 00.255 | 1472.9 | | | | | | | |
| | OBS | 00302 | 04.27 | 34.740 | 27.57 | | 1472.6 | | | | | | | |
| | OBS | 00304 | 04.23 | 34.760 | 27.59 | | 1472.5 | | | | | | | |
| | OBS | 00317 | 04.41 | 34.81C | 27.61 | | 1473.6 | | | | | | | |
| | OBS | 00331 | 04.48 | 34.800 | 27.60 | | 1474.0 | | | | | | | |
| | OBS | 00338 | 05.31 | 34.980 | 27.64 | | 1477.8 | | | | | | | |
| | OBS | 00346 | 05.37 | 34.955 | 27.65 | | 1478.2 | | | | | | | |
| | OBS | 00350 | 05.41 | 34.990 | 27.64 | | 1478.4 | | | | | | | |
| | OBS | 00361 | 05.06 | 34.530 | 27.63 | | 1477.1 | | | | | | | |
| | OBS | 00352 | 04.73 | 34.890 | 27.64 | | 1476.2 | | | | | | | |
| | STD | 00400 | 04.71 | 34.92 | 27.66 | 00.306 | 1476.3 | | | | | | | |
| | OBS | 00401 | 04.71 | 34.920 | 27.67 | | 1476.3 | | | | | | | |
| | OBS | 00443 | 04.66 | 34.940 | 27.69 | | 1476.8 | | | | | | | |
| | OBS | 00451 | 04.70 | 34.950 | 27.69 | | 1477.1 | | | | | | | |
| | OBS | 00451 | 05.00 | 35.010 | 27.70 | | 1479.1 | | | | | | | |
| | STD | 00500 | 04.58 | 35.01 | 27.71 | 00.353 | 1475.2 | | | | | | | |
| | OBS | 00506 | 04.97 | 35.015 | 27.71 | | 1475.3 | | | | | | | |
| | OBS | 00548 | 05.15 | 35.060 | 27.73 | | 1480.7 | | | | | | | |
| | OBS | 00553 | 04.82 | 35.000 | 27.72 | | 1480.1 | | | | | | | |
| | STD | 00600 | 04.77 | 35.00 | 27.72 | 00.399 | 1480.0 | | | | | | | |
| | OBS | 00603 | 04.75 | 35.000 | 27.73 | | 1479.9 | | | | | | | |
| | OBS | 00645 | 04.60 | 34.995 | 27.74 | | 1480.1 | | | | | | | |
| | OBS | 00692 | 04.45 | 34.990 | 27.75 | | 1480.2 | | | | | | | |
| | STC | 00700 | 04.45 | 34.98 | 27.74 | 00.443 | 1480.3 | | | | | | | |
| | OBS | 00702 | 04.45 | 34.980 | 27.74 | | 1480.3 | | | | | | | |
| | OBS | 00746 | 04.35 | 34.980 | 27.75 | | 1480.8 | | | | | | | |
| | OBS | 00751 | 04.33 | 34.980 | 27.76 | | 1481.3 | | | | | | | |
| | OBS | 00757 | 04.30 | 34.980 | 27.76 | | 1481.3 | | | | | | | |
| | STD | 00800 | 04.30 | 34.98 | 27.76 | 00.486 | 1481.3 | | | | | | | |
| | OBS | 00843 | 04.25 | 34.960 | 27.76 | | 1482.0 | | | | | | | |
| | OBS | 00892 | 04.21 | 34.970 | 27.76 | | 1482.5 | | | | | | | |
| | STD | 00900 | 04.21 | 34.97 | 27.76 | 00.530 | 1482.6 | | | | | | | |
| | OBS | 00940 | 04.16 | 34.960 | 27.76 | | 1483.0 | | | | | | | |
| | OBS | 00991 | 04.05 | 34.950 | 27.76 | | 1483.4 | | | | | | | |
| | OBS | 00997 | 04.05 | 34.950 | 27.76 | | 1483.5 | | | | | | | |
| | STD | 01000 | 04.04 | 34.95 | 27.76 | 00.574 | 1483.5 | | | | | | | |
| | OBS | 01045 | C4.00 | 34.950 | 27.77 | | 1484.1 | | | | | | | |
| | OBS | 01048 | 04.01 | 34.950 | 27.77 | | 1484.2 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| REFID 51 8463 | YEAR 1975 | BOTDP 03124 | AIR TEMP 03.8 | DIR HGT PER | WIND-DIR 03 | INST STD RECORDER | TEN SQ 1306 | | | | | | | | | |
| CONSEC 0058 | MONTH 06 | SHIP EV | WET BULB 03.7 | 12  2  4 | WIND-SPD 07 | TRACE DIR 0 | 5 SQUARE 4 | | | | | | | | | |
| LAT 45 15.2N | DAY 01 | DATA USE 1 | BARCMETR 1005.8 | SEA | WIND-FOR | DURATICN 00.2 | 2 SQUARE 46 | | | | | | | | | |
| LONG 046 56.2W | HOUR 08.1 | AREA 05 | CLCUO 7/4 | CL/TR | WEATHER X2 | ORIG 011 637 12 | 1 SQUARE 56 | | | | | | | | | |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | DXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | C0000 | 04.00 | 33.44 | 26.57 | 00.000 | 1464.8 | | | | | | | |
| 08.1 | OBS | 00000 | 04.00 | 33.44 | 26.57 | | 1464.8 | | | | | | | |
| | STD | 00010 | 04.15 | 33.46 | 26.57 | 00.015 | 1465.6 | | | | | | | |
| | OBS | 00010 | 04.15 | 33.46 | 26.57 | | 1465.6 | | | | | | | |
| | STD | 00020 | 04.26 | 33.49 | 26.58 | 00.029 | 1466.2 | | | | | | | |
| | OBS | 00020 | 04.26 | 33.49 | 26.58 | | 1466.2 | | | | | | | |
| | OBS | 00024 | 03.87 | 33.45 | 26.59 | | 1464.6 | | | | | | | |
| | STD | 00030 | 03.86 | 33.44 | 26.58 | 00.044 | 1464.7 | | | | | | | |
| | OBS | 00034 | 03.86 | 33.44 | 26.58 | | 1464.7 | | | | | | | |
| | STD | 00050 | 03.97 | 33.47 | 26.60 | 00.073 | 1465.5 | | | | | | | |
| | OBS | 00055 | 04.01 | 33.48 | 26.60 | | 1465.8 | | | | | | | |
| | STD | 00075 | 04.18 | 33.49 | 26.59 | 00.110 | 1466.8 | | | | | | | |
| | OBS | 00076 | 04.23 | 33.51 | 26.60 | | 1467.1 | | | | | | | |
| | OBS | 00081 | 04.57 | 33.63 | 26.66 | | 1468.7 | | | | | | | |
| | OBS | 00095 | 03.88 | 33.65 | 26.78 | | 1466.1 | | | | | | | |
| | STD | 00100 | 02.10 | 33.69 | 26.94 | 00.142 | 1458.5 | | | | | | | |
| | OBS | 00110 | 00.58 | 33.68 | 27.03 | | 1451.9 | | | | | | | |
| | OBS | 00121 | 02.61 | 34.09 | 27.22 | | 1461.7 | | | | | | | |
| | STD | 00125 | 02.97 | 34.16 | 27.24 | 00.167 | 1463.4 | | | | | | | |
| | OBS | 00131 | 03.62 | 34.27 | 27.27 | | 1466.4 | | | | | | | |
| | OBS | 00146 | 04.88 | 34.47 | 27.29 | | 1472.2 | | | | | | | |
| | STD | 00150 | 04.86 | 34.49 | 27.27 | 00.188 | 1472.1 | | | | | | | |
| | OBS | 00152 | 04.84 | 34.44 | 27.27 | | 1472.1 | | | | | | | |
| | OBS | 00167 | 05.86 | 34.62 | 27.25 | | 1476.8 | | | | | | | |
| | OBS | 00173 | 05.65 | 34.53 | 27.25 • | | 1475.9 | | | | | | | |
| | OBS | 00182 | C4.97 | 34.51 | 27.31 | | 1473.2 | | | | | | | |
| | OBS | 00184 | 04.91 | 34.58 | 27.37 | | 1473.1 | | | | | | | |
| | OBS | 00192 | 05.04 | 34.60 | 27.38 | | 1473.8 | | | | | | | |
| | OBS | 00194 | 04.98 | 34.54 P | 27.330• | | | | | | | | | |
| | STD | 00200 | 04.98 | 34.67 | 27.44 | 00.225 | 1473.8 | | | | | | | |
| | OBS | 00201 | 04.98 | 34.68 | 27.45 | | 1473.8 | | | | | | | |
| | OBS | 00218 | 05.16 P | 34.67 | 27.420• | | | | | | | | | |
| | OBS | 00222 | 04.84 | 34.58 P | 27.380• | | | | | | | | | |
| | OBS | 00239 | 04.77 | 34.58 P | 27.390 | | | | | | | | | |
| | STD | 00250 | 04.76 | 34.67 | 27.46 | 00.259 | 1473.7 | | | | | | | |
| | OBS | 00257 | 04.48 | 34.67 | 27.49 | | 1472.7 | | | | | | | |
| | OBS | 00266 | 03.76 | 34.58 | 27.50 | | 1469.7 | | | | | | | |
| | OBS | 00289 | 03.70 | 34.58 | 27.50 | | 1469.8 | | | | | | | |
| | STD | 00300 | 03.71 | 34.59 | 27.51 | 00.290 | 1470.0 | | | | | | | |
| | OBS | 00304 | 03.75 | 34.64 | 27.55 | | 1470.3 | | | | | | | |
| | OBS | 00310 | 03.84 | 34.74 | 27.62 | | 1470.9 | | | | | | | |
| | OBS | 00335 | 04.82 | 34.85 | 27.63 | | 1475.6 | | | | | | | |
| | OBS | 00342 | 04.91 | 34.95 | 27.67 | | 1476.2 | | | | | | | |
| | OBS | 00348 | 04.69 | 34.88 | 27.64 • | | 1475.3 | | | | | | | |
| | OBS | 00350 | 04.68 | 34.91 | 27.64 | | 1476.2 | | | | | | | |
| | OBS | 00375 | 04.45 | 34.84 | 27.63 | | 1474.7 | | | | | | | |
| | OBS | 00394 | 04.88 | 35.00 | 27.71 | | 1477.0 | | | | | | | |
| | STD | 00400 | 05.07 | 35.02 | 27.71 | 00.343 | 1477.9 | | | | | | | |
| | OBS | 00424 | 05.58 | 35.08 | 27.69 | | 1480.5 | | | | | | | |
| | OBS | 00456 | 05.56 | 35.08 | 27.69 | | 1480.9 | | | | | | | |
| | STD | C0500 | 05.27 | 35.04 | 27.70 | 00.389 | 1480.4 | | | | | | | |
| | OBS | 00502 | 05.25 | 35.04 | 27.70 | | 1480.4 | | | | | | | |
| | OBS | 00533 | 05.02 | 35.03 | 27.72 | | 1479.9 | | | | | | | |
| | OBS | 00534 | 04.81 | 34.98 | 27.70 | | 1479.0 | | | | | | | |
| | OBS | 00567 | 04.75 | 35.00 | 27.73 | | 1479.3 | | | | | | | |
| | STD | 00600 | 04.73 | 35.00 | 27.73 | 00.435 | 1479.8 | | | | | | | |
| | OBS | 00603 | 04.72 | 35.00 | 27.73 | | 1479.8 | | | | | | | |
| | OBS | 00651 | 04.57 | 35.00 | 27.75 | | 1480.0 | | | | | | | |
| | STD | 00700 | 04.55 | 35.00 | 27.75 | 00.479 | 1480.7 | | | | | | | |
| | OBS | 00700 | 04.55 | 35.00 | 27.75 | | 1480.7 | | | | | | | |
| | OBS | 00757 | 04.36 | 34.98 | 27.75 | | 1480.9 | | | | | | | |
| | STD | 00800 | 04.27 | 34.97 | 27.76 | 00.522 | 1481.2 | | | | | | | |
| | OBS | 00807 | 04.25 | 34.97 | 27.76 | | 1481.2 | | | | | | | |
| | OBS | 00852 | 04.12 | 34.95 | 27.76 | | 1481.4 | | | | | | | |
| | STD | 00900 | 04.12 | 34.96 | 27.76 | 00.565 | 1482.2 | | | | | | | |
| | OBS | C0900 | 04.12 | 34.96 | 27.76 | | 1482.2 | | | | | | | |
| | OBS | 00953 | 03.93 | 34.93 | 27.76 | | 1482.3 | | | | | | | |
| | STD | 01000 | 03.87 | 34.92 | 27.76 | 00.609 | 1482.8 | | | | | | | |
| | OBS | 01008 | 03.86 | 34.92 | 27.76 | | 1482.9 | | | | | | | |
| | OBS | 01064 | 03.80 | 34.92 | 27.76 | | 1483.5 | | | | | | | |

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TABLE II.  USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| FSFIO 31 A4E3 | YEAR 1975 | BOTOP 02653 | AIR TEMP 05.6 | DIR FGT PER | WINC-DIR 01 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0055 | MONTH 06 | SHIP EV | WET BULB 04.7 | 35 1 2 | WIND-SPD 15 | TRACE DIR C | S SQUARE 4 |
| LAT +5 23.0N | DAY 01 | DATA USE 1 | BAROMETR 1007.8 | SEA | WIND-FOR | DURATION 00.3 | 2 SQUARE 4A |
| LONG 047 14.0W | HOUR 10.2 | AREA 05 | CLOUD T/A | CL/TR | WEATHER R1 | ORIG 011 83A | 3 SQUARE 57 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|        | STD | C0000 | 03.57 | 33.49 | 26.65 | 00.000 | 1463.0 | | | | | | | |
| 10.2   | OBS | 00003 | 03.57 | 33.49 | 26.65 |        | 1463.1 | | | | | | | |
|        | STD | 00010 | 03.57 | 33.49 | 26.65 | 00.014 | 1463.2 | | | | | | | |
|        | STD | 00020 | 03.57 | 33.50 | 26.66 | 00.028 | 1463.3 | | | | | | | |
|        | OBS | 00020 | 03.57 | 33.50 | 26.66 |        | 1463.4 | | | | | | | |
|        | STD | C0030 | 03.57 | 33.50 | 26.66 | 00.042 | 1463.5 | | | | | | | |
|        | OBS | 00032 | 03.57 | 33.50 | 26.66 |        | 1463.5 | | | | | | | |
|        | OBS | 00045 | 03.63 | 33.56 | 26.70 |        | 1464.1 | | | | | | | |
|        | STD | 00050 | 03.47 | 33.60 | 26.75 | 00.069 | 1463.5 | | | | | | | |
|        | OBS | 00064 | 02.78 | 33.75 | 26.93 |        | 1461.0 | | | | | | | |
|        | OBS | 00074 | 02.23 | 33.87 | 27.07 |        | 1458.9 | | | | | | | |
|        | STD | 00075 | 02.27 | 33.92 | 27.11 | 00.097 | 1459.2 | | | | | | | |
|        | OBS | 00076 | 02.32 | 33.99 | 27.16 |        | 1459.5 | | | | | | | |
|        | OBS | 00078 | 02.82 | 34.10 | 27.21 |        | 1461.9 | | | | | | | |
|        | OBS | 00079 | 02.90 | 34.11 | 27.21 |        | 1462.3 | | | | | | | |
|        | OBS | 00081 | 03.34 | 34.24 | 27.27 |        | 1464.4 | | | | | | | |
|        | OBS | 00085 | 03.41 | 34.29 | 27.30 |        | 1464.8 | | | | | | | |
|        | OBS | 00089 | 03.83 | 34.37 | 27.32 |        | 1466.8 | | | | | | | |
|        | STD | C0100 | 03.97 | 34.37 | 27.31 | 00.119 | 1467.5 | | | | | | | |
|        | OBS | 00100 | 03.98 | 34.38 | 27.32 |        | 1467.6 | | | | | | | |
|        | OBS | C0106 | 03.70 | 34.43 | 27.39 |        | 1466.6 | | | | | | | |
|        | OBS | 00112 | 02.55 | 34.28 | 27.37 |        | 1461.5 | | | | | | | |
|        | OBS | 00116 | 01.71 | 34.20 | 27.38 |        | 1457.8 | | | | | | | |
|        | STD | 00125 | 01.70 | 34.27 | 27.43 | 00.137 | 1458.0 | | | | | | | |
|        | OBS | 00125 | 01.69 | 34.27 | 27.43 |        | 1458.0 | | | | | | | |
|        | OBS | 00127 | 01.65 | 34.27 | 27.44 |        | 1457.8 | | | | | | | |
|        | OBS | 00140 | 01.69 | 34.32 | 27.47 |        | 1458.3 | | | | | | | |
|        | STD | 00150 | 03.19 | 34.54 | 27.52 | 00.153 | 1465.3 | | | | | | | |
|        | OBS | 00152 | C3.39 | 34.57 | 27.53 |        | 1466.2 | | | | | | | |
|        | OBS | 00163 | 03.34 | 34.57 | 27.53 |        | 1466.2 | | | | | | | |
|        | OBS | 00167 | 03.41 | 34.62 | 27.57 |        | 1466.6 | | | | | | | |
|        | OBS | 00175 | 03.66 | 34.64 | 27.56 |        | 1467.8 | | | | | | | |
|        | OBS | 00198 | 03.05 | 34.61 | 27.59 |        | 1465.8 | | | | | | | |
|        | STD | 00200 | 03.06 | 34.63 | 27.60 | 00.180 | 1465.7 | | | | | | | |
|        | OBS | 00205 | 03.29 | 34.68 | 27.62 |        | 1466.8 | | | | | | | |
|        | OBS | 00211 | 03.82 | 34.74 | 27.62 |        | 1469.2 | | | | | | | |
|        | OBS | 00232 | 03.77 | 34.74 | 27.62 |        | 1469.4 | | | | | | | |
|        | STD | 00250 | 03.77 | 34.74 | 27.63 | 00.205 | 1469.8 | | | | | | | |
|        | OBS | 00255 | 03.77 | 34.75 | 27.63 |        | 1469.8 | | | | | | | |
|        | OBS | 00276 | 03.67 | 34.80 | 27.66 |        | 1470.6 | | | | | | | |
|        | STD | 00300 | 04.00 | 34.82 | 27.67 | 00.229 | 1471.6 | | | | | | | |
|        | OBS | 00310 | 04.02 | 34.83 | 27.67 |        | 1471.8 | | | | | | | |
|        | OBS | 00316 | 04.02 | 34.87 | 27.70 |        | 1472.0 | | | | | | | |
|        | OBS | 00342 | 04.32 | 34.91 | 27.70 |        | 1473.7 | | | | | | | |
|        | OBS | 00350 | 04.55 | 34.98 | 27.73 |        | 1475.1 | | | | | | | |
|        | STD | 00400 | 04.53 | 34.96 | 27.72 | 00.274 | 1475.6 | | | | | | | |
|        | OBS | 00405 | 04.52 | 34.96 | 27.72 |        | 1475.7 | | | | | | | |
|        | OBS | 00456 | 04.39 | 34.97 | 27.74 |        | 1476.0 | | | | | | | |
|        | STD | 00500 | 04.25 | 34.95 | 27.74 | 00.317 | 1476.3 | | | | | | | |
|        | OBS | 00500 | 04.25 | 34.95 | 27.74 |        | 1476.3 | | | | | | | |
|        | OBS | 00555 | 04.07 | 34.94 | 27.75 |        | 1476.2 | | | | | | | |
|        | STD | 00600 | 04.11 | 34.94 | 27.75 | 00.358 | 1477.1 | | | | | | | |
|        | OBS | 00601 | 04.11 | 34.94 | 27.75 |        | 1477.2 | | | | | | | |
|        | OBS | 00651 | 03.82 | 34.90 | 27.75 |        | 1476.7 | | | | | | | |
|        | STD | 00700 | 03.75 | 34.90 | 27.75 | 00.400 | 1477.2 | | | | | | | |
|        | OBS | 00700 | 03.75 | 34.90 | 27.75 |        | 1477.2 | | | | | | | |
|        | OBS | 00750 | 03.71 | 34.89 | 27.75 |        | 1477.9 | | | | | | | |
|        | STD | 00800 | 03.68 | 34.89 | 27.75 | 00.442 | 1478.6 | | | | | | | |
|        | OBS | 00803 | 03.68 | 34.89 | 27.75 |        | 1478.6 | | | | | | | |
|        | OBS | 00854 | 03.62 | 34.89 | 27.76 |        | 1479.2 | | | | | | | |
|        | STD | 00900 | 03.59 | 34.88 | 27.75 | 00.485 | 1479.9 | | | | | | | |
|        | OBS | 00900 | 03.55 | 34.88 | 27.75 |        | 1479.9 | | | | | | | |
|        | OBS | 00951 | 03.57 | 34.88 | 27.76 |        | 1480.6 | | | | | | | |
|        | STD | 01000 | 03.52 | 34.87 | 27.75 | 00.528 | 1481.2 | | | | | | | |
|        | OBS | 01003 | 03.52 | 34.87 | 27.75 |        | 1481.3 | | | | | | | |
|        | OBS | 01066 | 03.48 | 34.87 | 27.76 |        | 1482.1 | | | | | | | |

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TABLE II.  USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| REFID 31 8465 | YEAR 1975 | BOTOP 01845 | AIR TEMP 06.2 | DIR HGT PER | WIND-DIR 33 | INST STD RECORDER | TEN SQ 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0066 | MONTH 06 | SHIP EV | WET BULB 05.8 | 33 2 2 | WIND-SPD 13 | TRACE DIR 0 | 5 SQUARE 4 |
| LAT 45 33.1N | DAY 01 | DATA USE 1 | BARCMETR 1009.0 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 46 |
| LONG 347 28.1W | HOUR 12.7 | AREA 05 | CLOUD T/A | CL/TR | WEATHER 34 | ORIG 011 835 15 | 1 SQUARE 57 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | STD | 00000 | 03.21 | 33.48 | 26.68 | 00.000 | 1461.4 | | | | | | | |
| 12.7 | OBS | 00003 | 03.21 | 33.48 | 26.68 |  | 1461.5 | | | | | | | |
|  | STD | 00010 | 03.20 | 33.48 | 26.68 | 00.014 | 1461.6 | | | | | | | |
|  | OBS | 00015 | 03.20 | 33.48 | 26.68 |  | 1461.7 | | | | | | | |
|  | STD | 00020 | 02.90 | 33.50 | 26.72 | 00.027 | 1460.5 | | | | | | | |
|  | OBS | 00020 | 02.86 | 33.50 | 26.72 |  | 1460.3 | | | | | | | |
|  | STD | 00030 | 02.80 | 33.51 | 26.73 | 00.041 | 1460.2 | | | | | | | |
|  | OBS | 00034 | 02.76 | 33.53 | 26.76 |  | 1460.1 | | | | | | | |
|  | STD | 00050 | 02.56 | 33.74 | 26.94 | 00.065 | 1459.8 | | | | | | | |
|  | OBS | 00051 | 02.51 | 33.76 | 26.96 |  | 1459.6 | | | | | | | |
|  | OBS | 00055 | 02.34 | 33.80 | 27.01 |  | 1459.0 | | | | | | | |
|  | OBS | 00064 | 01.81 | 33.96 | 27.18 |  | 1457.1 | | | | | | | |
|  | OBS | 00068 | 01.88 | 34.14 | 27.31 |  | 1457.7 | | | | | | | |
|  | OBS | 00072 | 01.96 | 34.12 | 27.29 |  | 1458.1 | | | | | | | |
|  | STD | 00075 | 02.28 | 34.19 | 27.32 | 00.089 | 1459.6 | | | | | | | |
|  | OBS | 00078 | 02.62 | 34.26 | 27.35 |  | 1461.2 | | | | | | | |
|  | OBS | 00085 | 03.45 | 34.39 | 27.38 |  | 1465.1 | | | | | | | |
|  | STD | 00100 | 03.56 | 34.54 | 27.45 | 00.106 | 1467.7 | | | | | | | |
|  | OBS | 00100 | 03.58 | 34.55 | 27.45 |  | 1467.8 | | | | | | | |
|  | STD | 00125 | 03.72 | 34.58 | 27.50 | 00.122 | 1467.2 | | | | | | | |
|  | OBS | 00125 | 03.71 | 34.58 | 27.50 |  | 1467.1 | | | | | | | |
|  | STD | 00150 | 04.10 | 34.71 | 27.57 | 00.138 | 1469.4 | | | | | | | |
|  | OBS | 00152 | 04.12 | 34.72 | 27.57 |  | 1469.5 | | | | | | | |
|  | OBS | 00167 | 04.16 | 34.73 | 27.58 |  | 1469.9 | | | | | | | |
|  | OBS | 00171 | 04.23 | 34.77 | 27.60 |  | 1470.4 | | | | | | | |
|  | OBS | 00177 | 04.15 | 34.75 | 27.59 |  | 1470.2 | | | | | | | |
|  | OBS | 00194 | 04.00 | 34.76 | 27.62 |  | 1469.7 | | | | | | | |
|  | OBS | 00196 | 03.66 | 34.73 | 27.63 |  | 1468.3 | | | | | | | |
|  | STD | 00200 | 03.65 | 34.74 | 27.63 | 00.162 | 1468.3 | | | | | | | |
|  | OBS | 00201 | 03.64 | 34.74 | 27.64 |  | 1468.3 | | | | | | | |
|  | OBS | 00228 | 03.45 | 34.74 | 27.66 |  | 1467.9 | | | | | | | |
|  | STD | 00250 | 03.42 | 34.75 | 27.67 | 00.185 | 1468.2 | | | | | | | |
|  | OBS | 00255 | 03.41 | 34.75 | 27.67 |  | 1468.2 | | | | | | | |
|  | OBS | 00257 | 03.38 | 34.76 | 27.68 |  | 1468.1 | | | | | | | |
|  | OBS | 00281 | 03.98 | 34.87 | 27.71 |  | 1471.2 | | | | | | | |
|  | STD | 00300 | 04.22 | 34.90 | 27.70 | 00.208 | 1472.6 | | | | | | | |
|  | OBS | 00300 | 04.23 | 34.90 | 27.70 |  | 1472.6 | | | | | | | |
|  | OBS | 00350 | 03.86 | 34.88 | 27.73 |  | 1471.9 | | | | | | | |
|  | STD | 00400 | 03.96 | 34.91 | 27.74 | 00.245 | 1473.1 | | | | | | | |
|  | OBS | 00403 | 03.96 | 34.91 | 27.74 |  | 1473.2 | | | | | | | |
|  | OBS | 00451 | 03.96 | 34.91 | 27.74 |  | 1474.0 | | | | | | | |
|  | STD | 00500 | 03.82 | 34.90 | 27.75 | 00.290 | 1474.2 | | | | | | | |
|  | OBS | 00500 | 03.82 | 34.90 | 27.75 |  | 1474.2 | | | | | | | |
|  | OBS | 00552 | 03.77 | 34.90 | 27.75 |  | 1474.5 | | | | | | | |
|  | STD | 00600 | 03.77 | 34.91 | 27.76 | 00.330 | 1475.7 | | | | | | | |
|  | OBS | 00607 | 03.77 | 34.91 | 27.76 |  | 1475.8 | | | | | | | |
|  | OBS | 00652 | 03.78 | 34.91 | 27.76 |  | 1476.6 | | | | | | | |
|  | STD | 00700 | 03.62 | 34.89 | 27.76 | 00.371 | 1476.7 | | | | | | | |
|  | OBS | 00700 | 03.62 | 34.89 | 27.76 |  | 1476.7 | | | | | | | |
|  | OBS | 00750 | 03.53 | 34.88 | 27.76 |  | 1477.1 | | | | | | | |
|  | STD | 00800 | 03.49 | 34.88 | 27.76 | 00.412 | 1477.8 | | | | | | | |
|  | OBS | 00809 | 03.48 | 34.88 | 27.77 |  | 1477.9 | | | | | | | |
|  | OBS | 00850 | 03.52 | 34.89 | 27.77 |  | 1478.8 | | | | | | | |
|  | STD | 00900 | 03.51 | 34.88 | 27.76 | 00.453 | 1479.5 | | | | | | | |
|  | OBS | 00908 | 03.51 | 34.86 | 27.76 |  | 1479.7 | | | | | | | |
|  | OBS | 00953 | 03.48 | 34.88 | 27.77 |  | 1480.3 | | | | | | | |
|  | STD | 01000 | 03.46 | 34.88 | 27.77 | 00.496 | 1481.0 | | | | | | | |
|  | OBS | 01001 | 03.46 | 34.88 | 27.77 |  | 1481.0 | | | | | | | |
|  | OBS | 01056 | 03.50 | 34.88 | 27.76 |  | 1482.1 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

| REFID 31 6463 | YEAR 1575 | BOTOP 01165 | AIR TEMP 05.9 | DIR FGT PER | WIND-DIR 35 | INST STC RECORDER | TEN SQ 1306 |
| CONSEC 0361 | MONTH 06 | SHIP EV | WET BULB 05.3 | 35 2 2 | WIND-SPD 15 | TRACE DIR 0 | S SQUARE 4 |
| LAT 45 41.6N | DAY 01 | DATA USE 1 | BARCMETR 1008.9 | SEA | WIND-FOR | DURATION 00.5 | 2 SQUARE 46 |
| LONG 047 48.3W | HOUR 15.2 | AREA 05 | CLOUD T/A | CL/TR | WEATHER A4 | ORIG 011 840 | 1 SQUARE 57 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 01.51 | 33.10 | 26.51 | 00.000 | 1453.5 | | | | | | | |
| 15.2 | OBS | 00003 | 01.51 | 33.10 | 26.51 | | 1453.6 | | | | | | | |
| | STO | C0010 | C1.50 | 33.10 | 26.51 | 00.015 | 1453.6 | | | | | | | |
| | STO | 00020 | 01.47 | 33.09 | 26.50 | 00.031 | 1453.6 | | | | | | | |
| | OBS | 00020 | 01.47 | 33.09 | 26.50 | | 1453.6 | | | | | | | |
| | OBS | 00022 | 01.26 | 33.30 | 26.69 | | 1453.0 | | | | | | | |
| | OBS | 00024 | 00.65 | 33.35 | 26.76 | | 1450.4 | | | | | | | |
| | OBS | 00026 | 00.86 | 33.44 | 26.82 | | 1451.6 | | | | | | | |
| | STO | 00030 | 00.86 | 33.35 | 26.78 * | 00.045 | 1451.5 | | | | | | | |
| | OBS | 00034 | 00.79 | 33.30 | 26.71 * | | 1451.1 | | | | | | | |
| | OBS | 00043 | 00.51 | 33.48 | 26.88 | | 1450.2 | | | | | | | |
| | OBS | 00047 | 00.58 | 33.52 | 26.90 | | 1450.7 | | | | | | | |
| | OBS | 00045 | 01.59 | 33.72 | 27.00 | | 1455.5 | | | | | | | |
| | STO | 00050 | 01.76 | 33.74 | 27.00 | 00.068 | 1456.3 | | | | | | | |
| | OBS | 00051 | 02.19 | 33.79 | 27.01 | | 1458.3 | | | | | | | |
| | OBS | 00064 | 02.90 | 33.92 | 27.05 | | 1461.8 | | | | | | | |
| | STO | 00075 | 02.51 | 34.13 | 27.26 | 00.092 | 1460.6 | | | | | | | |
| | OBS | 00076 | 02.48 | 34.15 | 27.27 | | 1460.5 | | | | | | | |
| | STO | 00100 | 02.15 | 34.36 | 27.47 | 00.110 | 1459.7 | | | | | | | |
| | OBS | 00104 | 02.13 | 34.39 | 27.45 | | 1455.7 | | | | | | | |
| | STO | 00125 | 02.22 | 34.47 | 27.55 | 00.125 | 1460.6 | | | | | | | |
| | OBS | 00127 | 02.23 | 34.48 | 27.56 | | 1460.7 | | | | | | | |
| | STO | 00150 | 02.35 | 34.53 | 27.59 | 00.136 | 1461.6 | | | | | | | |
| | OBS | 00150 | 02.35 | 34.53 | 27.59 | | 1461.6 | | | | | | | |
| | OBS | 00175 | 02.44 | 34.56 | 27.61 | | 1462.5 | | | | | | | |
| | STO | 00200 | 02.54 | 34.60 | 27.63 | 00.163 | 1463.4 | | | | | | | |
| | OBS | 00205 | 02.55 | 34.61 | 27.64 | | 1463.5 | | | | | | | |
| | OBS | 00224 | 02.56 | 34.64 | 27.66 | | 1463.6 | | | | | | | |
| | OBS | 00226 | 02.69 | 34.68 | 27.68 | | 1464.6 | | | | | | | |
| | STO | 00250 | 02.95 | 34.71 | 27.68 | 00.186 | 1466.1 | | | | | | | |
| | OBS | 00258 | 03.03 | 34.73 | 27.69 | | 1466.6 | | | | | | | |
| | OBS | 00275 | 03.20 | 34.77 | 27.70 | | 1467.8 | | | | | | | |
| | STO | 00300 | 03.33 | 34.79 | 27.71 | 00.207 | 1468.7 | | | | | | | |
| | OBS | 00302 | 03.37 | 34.80 | 27.71 | | 1468.9 | | | | | | | |
| | OBS | 00317 | 03.71 | 34.85 | 27.72 | | 1470.7 | | | | | | | |
| | OBS | 00350 | 03.62 | 34.85 | 27.73 | | 1470.8 | | | | | | | |
| | STO | 00400 | 03.49 | 34.85 | 27.74 | 00.248 | 1471.1 | | | | | | | |
| | OBS | 00407 | 03.48 | 34.85 | 27.74 | | 1471.2 | | | | | | | |
| | OBS | 00453 | 03.43 | 34.84 | 27.74 | | 1471.7 | | | | | | | |
| | STO | 00500 | 03.46 | 34.86 | 27.75 | 00.288 | 1472.6 | | | | | | | |
| | OBS | 00502 | 03.46 | 34.86 | 27.75 | | 1472.7 | | | | | | | |
| | OBS | 00552 | 03.50 | 34.86 | 27.75 | | 1473.7 | | | | | | | |
| | STO | 00600 | 03.51 | 34.87 | 27.75 | 00.328 | 1474.5 | | | | | | | |
| | OBS | 00601 | 03.51 | 34.87 | 27.75 | | 1474.5 | | | | | | | |
| | OBS | 00652 | 03.51 | 34.88 | 27.76 | | 1475.4 | | | | | | | |
| | STO | 00700 | 03.48 | 34.87 | 27.76 | 00.365 | 1476.1 | | | | | | | |
| | OBS | 00702 | 03.46 | 34.87 | 27.76 | | 1476.1 | | | | | | | |
| | OBS | 00751 | 03.44 | 34.87 | 27.76 | | 1476.7 | | | | | | | |
| | STO | 00800 | 03.43 | 34.87 | 27.76 | 00.416 | 1477.5 | | | | | | | |
| | OBS | 00801 | 03.43 | 34.87 | 27.76 | | 1477.5 | | | | | | | |
| | OBS | 00854 | 03.41 | 34.87 | 27.76 | | 1478.3 | | | | | | | |
| | STO | C0900 | 03.41 | 34.87 | 27.76 | 00.451 | 1479.1 | | | | | | | |
| | OBS | 00904 | 03.41 | 34.87 | 27.76 | | 1479.2 | | | | | | | |
| | OBS | 00951 | 03.41 | 34.87 | 27.76 | | 1479.9 | | | | | | | |
| | STO | 01000 | 03.41 | 34.87 | 27.76 | 00.493 | 1480.7 | | | | | | | |
| | OBS | 01006 | 03.41 | 34.87 | 27.76 | | 1480.9 | | | | | | | |
| | OBS | 01054 | 03.41 | 34.87 | 27.76 | | 1481.7 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

| REFIC 31 8463 | YEAR 1975 | BOTOP 00434 | AIR TEMP 03.8 | DIR HGT PER | WIND-DIR 33 | INST STD RECORDER | TEN SG 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0062 | MONTH 06 | SHIP EV | WET BULB 02.8 | 33 1 2 | WIND-SPD 13 | TRACE DIR 0 | 5 SQUARE 4 |
| LAT 45 47.0N | DAY 01 | DATA USE 1 | BARCMETR 1009.1 | SEA | WIND-FOR | DURATION 00.3 | 2 SQUARE 46 |
| LONG 047 58.0W | HOUR 17.4 | AREA 05 | CLOUD T/A | CL/TR | WEATHER A4 | ORIG 011 841 15 | 1 SQUARE 57 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 01.39 | 32.95 | 26.40 | 00.000 | 1452.7 | | | | | | | |
| 17.4 | OBS | 00003 | 01.39 | 32.95 | 26.40 | | 1452.8 | | | | | | | |
| | STD | 00010 | 01.38 | 32.95 | 26.40 | 00.016 | 1452.9 | | | | | | | |
| | OBS | 00011 | 01.38 | 32.95 | 26.40 | | 1452.9 | | | | | | | |
| | OBS | 00015 | 01.37 | 32.93 | 26.38 | | 1452.9 | | | | | | | |
| | STD | 00020 | 01.20 | 32.95 | 26.41 | 00.033 | 1452.2 | | | | | | | |
| | OBS | 00022 | 01.16 | 32.98 | 26.44 | | 1452.1 | | | | | | | |
| | OBS | 00028 | 01.24 | 33.09 | 26.52 | | 1452.7 | | | | | | | |
| | STD | 00030 | 01.15 | 33.11 | 26.54 | 00.046 | 1452.4 | | | | | | | |
| | OBS | 00030 | 01.12 | 33.12 | 26.55 | | 1452.3 | | | | | | | |
| | OBS | 00036 | 00.86 | 33.14 | 26.58 | | 1451.2 | | | | | | | |
| | OBS | 00041 | - 0.41 | 33.17 | 26.67 | | 1445.6 | | | | | | | |
| | OBS | 00045 | - 1.07 | 33.27 | 26.78 | | 1442.7 | | | | | | | |
| | STD | 00050 | - 0.99 | 33.28 | 26.78 | 00.076 | 1443.1 | | | | | | | |
| | OBS | 00057 | - 0.87 | 33.28 | 26.78 | | 1443.8 | | | | | | | |
| | OBS | 00059 | - 0.12 | 33.28 | 26.75 • | | 1447.3 | | | | | | | |
| | OBS | 00062 | - 0.96 | 33.35 | 26.84 | | 1443.6 | | | | | | | |
| | OBS | 00072 | - 1.20 | 33.39 | 26.88 | | 1442.7 | | | | | | | |
| | STD | 00075 | - 1.19 | 33.42 | 26.90 | 00.107 | 1442.8 | | | | | | | |
| | OBS | 00079 | - 1.10 | 33.46 | 26.93 | | 1443.4 | | | | | | | |
| | OBS | 00091 | - 0.59 | 33.56 | 26.99 | | 1446.1 | | | | | | | |
| | STD | 00100 | - 0.31 | 33.66 | 27.06 | 00.134 | 1447.7 | | | | | | | |
| | OBS | 00102 | - 0.17 | 33.70 | 27.09 | | 1448.4 | | | | | | | |
| | OBS | 00112 | 00.45 | 33.84 | 27.17 | | 1451.6 | | | | | | | |
| | STD | 00125 | 00.38 | 33.89 | 27.21 | 00.157 | 1451.6 | | | | | | | |
| | OBS | 00127 | 00.37 | 33.90 | 27.22 | | 1451.6 | | | | | | | |
| | STD | 00150 | 00.69 | 34.03 | 27.31 | 00.178 | 1453.5 | | | | | | | |
| | OBS | 00152 | 00.72 | 34.04 | 27.31 | | 1453.7 | | | | | | | |
| | OBS | 00175 | 01.06 | 34.16 | 27.39 | | 1455.6 | | | | | | | |
| | STD | 00200 | 01.45 | 34.31 | 27.48 | 00.212 | 1458.2 | | | | | | | |
| | OBS | 00203 | 01.48 | 34.32 | 27.49 | | 1458.4 | | | | | | | |
| | OBS | 00228 | 01.55 | 34.32 | 27.48 | | 1459.1 | | | | | | | |
| | STD | 00250 | 01.63 | 34.34 | 27.49 | 00.243 | 1459.8 | | | | | | | |
| | OBS | 00253 | 01.64 | 34.34 | 27.49 | | 1459.9 | | | | | | | |
| | OBS | 00276 | 01.67 | 34.38 | 27.51 | -- | 1460.5 | | | | | | | |
| | STD | 00300 | 01.91 | 34.42 | 27.53 | 00.273 | 1462.0 | | | | | | | |
| | OBS | 00300 | 01.92 | 34.42 | 27.54 | | 1462.1 | | | | | | | |
| | OBS | 00352 | 02.42 | 34.56 | 27.61 | | 1465.3 | | | | | | | |
| | OBS | 00392 | 02.89 | 34.71 | 27.69 | | 1468.2 | | | | | | | |

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| REFID 31 8463 | YEAR 1975 | BOTOP 00113 | AIR TEMP 02.0 | DIR HGT PER | WIND-DIR 32 | INST STD RECORDER | TEN SG 1306 |
|---|---|---|---|---|---|---|---|
| CONSEC 0063 | MONTH 06 | SHIP EV | WET BULB 01.9 | 2 2 | WIND-SPD 10 | TRACE DIR 0 | 5 SQUARE 4 |
| LAT 45 53.5N | DAY 01 | DATA USE 1 | BARCMETR 1010.1 | SEA | WIND-FOR | DURATION 00.0 | 2 SQUARE 48 |
| LONG 048 08.0W | HOUR 19.1 | AREA 05 | CLOUD T/A | CL/TR | WEATHER A4 | ORIG C11 842 | 1 SQUARE 58 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STD | 00000 | 00.91 | 32.85 | 26.35 | 00.000 | 1450.5 | | | | | | | |
| 19.1 | OBS | 00007 | 00.91 | 32.85 | 26.35 | | 1450.6 | | | | | | | |
| | STD | 00010 | 00.87 | 32.63 | 26.34 | 00.017 | 1450.4 | | | | | | | |
| | OBS | 00011 | 00.85 | 32.63 | 26.33 | | 1450.3 | | | | | | | |
| | STD | 00020 | 00.62 | 32.89 | 26.40 | 00.034 | 1449.5 | | | | | | | |
| | OBS | 00022 | 00.57 | 32.90 | 26.41 | | 1449.4 | | | | | | | |
| | STD | 00030 | 00.54 | 32.90 | 26.41 | 00.050 | 1449.3 | | | | | | | |
| | OBS | 00032 | 00.53 | 32.90 | 26.41 | | 1449.3 | | | | | | | |
| | OBS | 00045 | - 0.23 | 33.02 | 26.54 | | 1446.2 | | | | | | | |
| | STD | 00050 | - 0.60 | 33.06 | 26.59 | 00.081 | 1444.6 | | | | | | | |
| | OBS | 00057 | - 1.05 | 33.11 | 26.65 | | 1442.7 | | | | | | | |
| | OBS | 00066 | - 1.34 | 33.16 | 26.69 | | 1441.6 | | | | | | | |
| | OBS | 00068 | - 1.47 | 33.19 | 26.72 | | 1441.1 | | | | | | | |
| | STD | 00075 | - 1.40 | 33.22 | 26.75 | 00.115 | 1441.5 | | | | | | | |
| | OBS | 00076 | - 1.39 | 33.23 | 26.75 | | 1441.6 | | | | | | | |
| | OBS | 00091 | - 1.12 | 33.34 | 26.83 | | 1443.3 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

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EFFIC  31  8463    YEAR 1975    BCTDP 00098    AIR TEMP  04.8    DIR HGT PER    WIND-DIR 33   INST STD RECORDER    TEN SQ 1306
CONSEC    0364     MONTH  06    SHIP EV         WET BULB  04.2    95  X   X      WIND-SPD 15   TRACE DIA      D     3 SQUARE  4
LAT    46 00.0N    DAY    01    DATA USE  1     BAROMETR 1010.8   SEA            WIND-FOR      DURATION    00.0    2 SQUARE 68
LONG  048 37.0W    HOUR 20.4    AREA      05    CLOUD 7/A         CL/TR          WEATHER  X4   ORIG 011 843         1 SQUARE 68
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.17	32.98	26.43	00.000	1451.8							
20.4	OBS	00000	01.17	32.98	26.43		1451.8							
	STD	00010	01.17	32.98	26.43	00.016	1452.0							
	OBS	00010	01.17	32.98	26.43		1452.0							
	OBS	00015	01.13	32.97	26.43		1451.9							
	STD	00020	01.13	32.97	26.43	00.032	1451.9							
	OBS	00020	01.13	32.97	26.43		1451.9							
	OBS	00025	01.06	33.01	26.47		1451.8							
	STD	00030	01.01	32.98	26.44 •	00.048	1451.6							
	OBS	00030	01.01	32.98	26.44		1451.6							
	OBS	00040	00.75	32.99	26.47		1450.6							
	STD	00050	00.66	33.06	26.53	00.079	1450.4							
	OBS	00050	00.66	33.06	26.53		1450.4							
	OBS	00055	00.74	33.14	26.59		1451.0							
	STD	00075	- 0.86	33.26	26.76	00.114	1444.1							
	OBS	00075	- 0.86	33.26	26.76		1444.1							
	OBS	00080	- 0.64	33.31	26.79		1445.3							

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EFFIC  31  8463    YEAR 1975    BCTDP 00112    AIR TEMP  03.5    DIR HGT PER    WIND-DIR 01   INST STD RECORDER    TEN SQ 1306
CONSEC    0365     MONTH  06    SHIP EV         WET BULB  03.2    36  1   3      WIND-SPD 18   TRACE DIR      D     5 SQUARE  4
LAT    46 29.3N    DAY    02    DATA USE  1     BAROMETR 1011.9   SEA            WIND-FOR      DURATION    00.0    2 SQUARE 68
LONG  048 03.5W    HOUR 00.0    AREA      05    CLOUD 7/A         CL/TR          WEATHER  X2   ORIG 011 844         1 SQUARE 68
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.35	32.86	26.33	00.000	1452.4							
00.0	OBS	00003	01.35	32.86	26.33		1452.5							
	STD	00010	01.35	32.87	26.33	00.017	1452.6							
	OBS	00017	01.35	32.87	26.34		1452.7							
	STD	00020	01.33	32.87	26.34	00.034	1452.7							
	OBS	00022	01.31	32.87	26.34		1452.7							
	OBS	00024	01.08	32.85	26.34		1451.6							
	STD	00030	00.96	32.88	26.36	00.051	1451.2							
	OBS	00032	00.86	32.90	26.39		1450.8							
	OBS	00036	00.63	32.95	26.44		1449.9							
	OBS	00047	00.58	33.02	26.50		1450.0							
	STD	00050	00.32	33.03	26.53	00.083	1448.9							
	OBS	00051	00.20	33.04	26.54		1448.3							
	OBS	00062	00.06	33.07	26.57		1447.9							
	OBS	00068	- 0.51	33.12	26.63		1445.5							
	OBS	00074	- 0.53	33.13	26.64		1445.5							
	STD	00075	- 0.47	33.14	26.65	00.119	1445.8							
	OBS	00081	- 0.04	33.21	26.69		1448.0							
	OBS	00091	00.40	33.28	26.72		1450.2							
	OBS	00097	00.44	33.34	26.77		1450.6							
	STD	00100	00.27	33.36	26.79	00.152	1449.9							
	OBS	00102	- 0.01	33.36	26.81		1448.7							

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EFFIC  31  8463    YEAR 1975    BCTDP 00100    AIR TEMP  03.5    DIR HGT PER    WIND-DIR 26   INST STD RECORDER    TEN SQ 1306
CONSEC    0066     MONTH  06    SHIP EV         WET BULB  03.3    03  2   3      WIND-SPD 16   TRACE DIR      D     5 SQUARE  4
LAT    46 24.0N    DAY    02    DATA USE  1     BAROMETR 1011.3   SEA            WIND-FOR      DURATION    00.1    2 SQUARE 66
LONG  047 46.0W    HOUR 01.7    AREA      05    CLOUD 7/A         CL/TR          WEATHER  X2   ORIG 011 845         1 SQUARE 47
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.17	32.90	26.37	00.000	1451.7							
01.7	OBS	00001	01.17	32.90	26.37		1451.7							
	STD	00010	01.17	32.90	26.37	00.017	1451.9							
	OBS	00011	01.17	32.90	26.37		1451.9							
	STD	00020	01.14	32.90	26.37	00.033	1451.9							
	STD	00030	01.10	32.89	26.37	00.050	1451.9							
	OBS	00030	01.10	32.89	26.37		1451.9							
	OBS	00032	00.93	32.88	26.37		1451.1							
	OBS	00034	00.59	32.95	26.45		1449.7							
	OBS	00047	00.61	33.01	26.49		1450.1							
	STD	00050	00.46	33.04	26.52	00.062	1449.5							
	OBS	00053	00.26	33.06	26.55		1448.7							
	OBS	00066	- 0.35	33.04	26.56		1445.9							
	STD	00075	- 1.12	33.09	26.63	00.119	1442.7							
	OBS	00076	- 1.18	33.10	26.64		1442.4							
	OBS	00083	- 1.42	33.20	26.73		1441.6							
	STD	00100	- 1.21	33.32	26.82	00.152	1443.0							
	OBS	00100	- 1.19	33.33	26.83		1443.1							
	STD	00125	- 0.59	33.47	26.92	00.181	1446.5							
	OBS	00127	- 0.55	33.48	26.93		1446.7							
	OBS	00140	- 0.41	33.53	26.96		1447.7							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIC 31 8463	YEAR 1975	BOTOP 00183	AIR TEMP 04.1	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SO 1306
CONSEC 0067	MONTH 06	SHIP EV	WET BULB 03.5	36 1 2	WIND-SPD 17	TRACE DIR D	5 SQUARE 4
LAT 46 20.0N	DAY 02	DATA USE 1	BAROMETR 1010.7	SEA	•IND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 34.0W	HOUR 03.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 846	1 SQUARE 67

CASTNUM/TIME	LVLTYP	CEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STC	00000	01.37	32.86	26.33	00.000	1452.5							
03.0	OBS	00003	01.37	32.86	26.33		1452.6							
	STO	00010	01.37	32.86	26.33	00.017	1452.7							
	OBS	00011	01.37	32.86	26.33		1452.7							
	OBS	00019	01.33	32.84	26.31		1452.6							
	STO	00020	01.25	32.84	26.32	00.034	1452.3							
	OBS	00022	01.03	32.86	26.35		1451.4							
	STO	00030	00.50	32.97	26.47	00.051	1449.3							
	OBS	00030	00.47	32.98	26.48		1449.1							
	OBS	00047	- 0.12	33.04	26.55		1446.8							
	STO	00050	- 0.57	33.06	26.59	00.081	1444.8							
	OBS	00051	- 0.71	33.08	26.61		1444.2							
	OBS	00055	- 0.67	33.13	26.65		1444.5							
	OBS	00059	00.20	33.22	26.68		1448.7							
	OBS	00070	00.04	33.23	26.70		1448.2							
	OBS	00072	- 0.39	33.23	26.72		1446.2							
	STO	00075	- 0.29	33.25	26.73	00.115	1446.8							
	OBS	00085	00.11	33.34	26.78		1448.9							
	OBS	00089	00.94	33.44	26.82		1452.9							
	OBS	00099	00.70	33.43	26.82		1451.9							
	STO	00100	00.39	33.41	26.83	00.147	1450.5							
	OBS	00100	00.18	33.40	26.83		1449.6							
	OBS	00104	00.04	33.40	26.84		1449.0							
	OBS	00112	00.69	33.48	26.87		1452.2							
	STO	00125	00.43	33.55	26.93	00.177	1451.3							
	OBS	00125	00.42	33.55	26.94		1451.3							
	STO	00150	- 0.22	33.57	26.98	00.204	1448.8							
	OBS	00150	- 0.22	33.57	26.98		1448.8							
	OBS	00161	- 0.23	33.58	26.99		1448.9							
	OBS	00175	00.20	33.76	27.12		1451.4							

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REFIC 31 8463	YEAR 1975	BOTOP 00445	AIR TEMP 03.0	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SO 1306
CONSEC 0068	MONTH 06	SHIP EV	WET BULB 02.9	01 0 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 46 15.5N	DAY 02	DATA USE 1	BAROMETR 1009.6	SEA	•IND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 21.0W	HOUR 04.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 847	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.43	33.15	26.55	00.000	1453.2							
04.6	OBS	00005	01.43	33.15	26.55		1453.3							
	STO	00010	01.42	33.15	26.55	00.015	1453.3							
	OBS	00017	01.41	33.14	26.55		1453.4							
	OBS	00019	01.30	33.15	26.56		1452.9							
	STO	00020	01.23	33.17	26.58	00.030	1452.6							
	OBS	00028	00.69	33.24	26.67		1450.5							
	STO	00030	00.61	33.24	26.68	00.044	1450.1							
	OBS	00030	00.59	33.24	26.68		1450.0							
	STO	00050	00.87	33.43	26.81	00.070	1451.9							
	OBS	00055	00.88	33.46	26.84		1452.1							
	STO	00075	00.62	33.52	26.90	00.100	1451.3							
	OBS	00076	00.61	33.53	26.91		1451.3							
	OBS	00091	01.13	33.74	27.05		1454.2							
	STO	00100	01.00	33.78	27.08	00.127	1453.8							
	OBS	00100	00.99	33.78	27.09		1453.8							
	STO	00125	00.57	33.89	27.20	00.150	1452.4							
	OBS	00127	00.56	33.90	27.21		1452.4							
	OBS	00137	00.56	33.93	27.23		1452.6							
	OBS	00144	01.07	34.14	27.37		1455.3							
	STO	00150	01.14	34.17	27.35	00.170	1455.8							
	OBS	00150	01.15	34.17	27.39		1455.8							
	OBS	00175	01.64	34.33	27.48		1458.6							
	OBS	00180	02.12	34.43	27.53		1461.0							
	STO	00200	02.43	34.51	27.56	00.201	1462.8							
	OBS	00207	02.44	34.52	27.57		1462.9							
	OBS	00226	02.19	34.51	27.59		1462.2							
	STO	00250	02.50	34.61	27.64	00.227	1464.0							
	OBS	00255	02.55	34.62	27.64		1464.3							
	OBS	00277	02.67	34.65	27.66		1465.3							
	STO	00300	02.68	34.65	27.66	00.250	1465.7							
	OBS	00306	02.69	34.65	27.66		1465.8							
	OBS	00354	02.84	34.69	27.67		1467.3							
	STO	00400	03.14	34.77	27.71	00.295	1469.5							
	OBS	00401	03.15	34.77	27.71		1469.6							
	OBS	00439	03.21	34.76	27.71		1470.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00878	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1306
CONSEC 0365	MONTH 06	SHIP EV	WET BULB 03.0	04 1 3	WIND-SPD 05	TRACE DIR 0	5 SQUARE 4
LAT 46 13.0N	DAY 02	DATA USE 1	BARCMETR 1010.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 66
LONG 047 08.3W	HOUR 06.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	ORIG 011 848	1 SQUARE 87

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.08	33.48	26.77	00.000	1456.5							
06.0	OBS	00003	02.08	33.48	26.77		1456.6							
	STD	00010	02.07	33.49	26.78	00.013	1456.7							
	OBS	00011	02.07	33.50	26.79		1456.7							
	OBS	00019	02.29	33.62	26.87		1458.0							
	STD	00020	02.27	33.62	26.87	00.025	1457.9							
	OBS	00022	02.22	33.62	26.87		1457.7							
	OBS	00024	02.64	33.71	26.91		1459.7							
	OBS	00026	02.77	33.73	26.51		1460.3							
	OBS	00028	02.72	33.75	26.93		1460.2							
	STD	00030	02.79	33.78	26.95	00.037	1460.6							
	OBS	00036	03.04	33.85	26.99		1461.8							
	OBS	00040	03.12	33.86	26.99		1462.2							
	STD	00050	01.86	33.79	27.04	00.058	1456.8							
	OBS	00051	01.80	33.78	27.03		1456.6							
	OBS	00057	01.87	33.81	27.05		1457.0							
	OBS	00059	01.37	33.81	27.09		1454.8							
	OBS	00062	01.35	33.81	27.09		1454.8							
	OBS	00070	01.85	33.96	27.17		1457.3							
	OBS	00074	01.90	33.97	27.18		1457.6							
	STD	00075	01.94	33.99	27.19	00.082	1457.5							
	OBS	00078	02.26	34.05	27.21		1459.4							
	OBS	00079	02.58	34.06	27.19		1460.8							
	OBS	00093	02.58	34.18	27.29		1461.2							
	STD	00100	02.13	34.19	27.33	00.103	1459.3							
	OBS	00100	02.08	34.20	27.35		1459.2							
	OBS	00104	01.93	34.27	27.41		1458.7							
	STD	00125	02.20	34.43	27.52	00.115	1460.4							
	OBS	00125	02.21	34.43	27.52		1460.5							
	STD	00150	02.30	34.49	27.56	00.134	1461.3							
	OBS	00150	02.30	34.49	27.56		1461.4							
	OBS	00175	02.57	34.56	27.59		1463.0							
	STD	00200	02.74	34.68	27.68	00.150	1464.3							
	OBS	00207	02.78	34.70	27.69		1464.7							
	OBS	00230	02.87	34.71	27.65		1465.4							
	STD	00250	02.76	34.71	27.70	00.180	1465.3							
	OBS	00251	02.76	34.71	27.70		1465.3							
	OBS	00277	02.88	34.74	27.71		1466.3							
	STD	00300	03.16	34.78	27.72	00.201	1467.9							
	OBS	00306	03.22	34.79	27.72		1468.3							
	OBS	00350	03.42	34.83	27.73		1469.5							
	STD	00400	03.48	34.84	27.73	00.242	1471.0							
	OBS	00403	03.48	34.84	27.73		1471.1							
	OBS	00451	03.48	34.86	27.75		1471.9							
	STD	00500	03.48	34.86	27.75	00.282	1472.7							
	OBS	00502	03.48	34.86	27.75		1472.8							
	OBS	00550	03.46	34.86	27.75		1473.5							
	STD	00600	03.46	34.86	27.75	00.322	1474.3							
	OBS	00601	03.46	34.86	27.75		1474.3							
	OBS	00652	03.44	34.86	27.75		1475.1							
	STD	00700	03.44	34.86	27.75	00.363	1475.5							
	OBS	00704	03.44	34.86	27.75		1475.9							
	OBS	00750	03.43	34.86	27.75		1476.7							
	STD	00800	03.41	34.87	27.76	00.404	1477.4							
	OBS	00803	03.41	34.87	27.76		1477.5							
	OBS	00850	03.41	34.86	27.76		1478.2							
	OBS	00864	03.41	34.86	27.76		1478.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 01320	AIR TEMP 04.8	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1308
CONSEC 0070	MONTH 06	SHIP EV	WET BULB 04.6	35 1 2	WIND-SPD 10	TRACE DIR 0	S SQUARE 4
LAT 46 08.0N	DAY 02	DATA USE 1	BAROMETR 1010.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 68
LONG 046 57.0W	HOUR 07.7	AREA 05	CLOUD T/A	CL/TH	WEATHER X1	ORIG C11 849	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
	STD	00000	03.48	33.64	26.78	00.000	1462.8						
07.7	OBS	00005	03.48	33.64	26.76		1462.9						
	STD	00010	03.48	33.64	26.78	00.013	1463.0						
	OBS	00011	03.48	33.64	26.78		1463.0						
	STD	00020	03.54	33.67	26.80	00.025	1463.4						
	OBS	00020	03.54	33.68	26.80		1463.5						
	STD	00030	03.54	33.78	26.85	00.038	1463.8						
	OBS	00030	03.54	33.79	26.85		1463.8						
	OBS	00032	03.13	33.82	26.95		1462.1						
	OBS	00034	02.96	33.84	26.99		1461.4						
	STD	00050	02.80	33.91	27.06	00.060	1461.1						
	OBS	00051	02.78	33.92	27.07		1461.0						
	OBS	00055	02.73	33.95	27.09		1460.9						
	STD	00075	02.22	34.18	27.32	00.082	1459.3						
	OBS	00076	02.20	34.19	27.33		1459.3						
	OBS	00087	02.08	34.29	27.42		1459.1						
	STD	00100	02.14	34.36	27.47	00.099	1459.6						
	OBS	00100	02.14	34.36	27.47		1459.7						
	STD	00125	02.27	34.47	27.55	00.114	1460.8						
	OBS	00127	02.28	34.48	27.55		1460.9						
	STD	00150	02.41	34.53	27.58	00.128	1461.9						
	OBS	00150	02.41	34.53	27.58		1461.9						
	OBS	00175	02.41	34.57	27.62		1462.4						
	STD	00200	02.39	34.58	27.62	00.153	1462.7						
	OBS	00201	02.39	34.58	27.63		1462.7						
	OBS	00228	02.44	34.65	27.68		1463.5						
	OBS	00234	03.04	34.72	27.68		1466.3						
	STD	00250	03.33	34.75	27.68	00.176	1467.8						
	OBS	00251	03.34	34.75	27.68		1467.9						
	OBS	00276	03.00	34.72	27.68		1466.8						
	STD	00300	03.41	34.79	27.70	00.198	1469.0						
	OBS	00306	03.48	34.80	27.70		1469.4						
	OBS	00352	03.50	34.81	27.71		1470.3						
	STD	00400	03.81	34.86	27.73	00.240	1472.5						
	OBS	00401	03.62	34.86	27.73		1472.6						
	OBS	00458	03.93	34.91	27.74		1474.0						
	STD	00500	03.79	34.89	27.74	00.281	1474.1						
	OBS	00504	03.78	34.89	27.74		1474.1						
	OBS	00553	03.73	34.88	27.74		1474.7						
	STD	00600	03.67	34.88	27.75	00.323	1475.2						
	OBS	00605	03.67	34.88	27.75		1475.3						
	OBS	00654	03.64	34.88	27.75		1476.0						
	STD	00700	03.64	34.89	27.76	00.364	1476.8						
	OBS	00700	03.64	34.89	27.76		1476.8						
	OBS	00753	03.61	34.88	27.75		1477.5						
	STD	00800	03.57	34.86	27.76	00.405	1476.1						
	OBS	00801	03.57	34.86	27.76		1476.1						
	OBS	00852	03.56	34.86	27.76		1478.5						
	STD	00900	03.55	34.88	27.76	00.448	1475.7						
	OBS	00904	03.55	34.88	27.76		1479.8						
	OBS	00953	03.52	34.88	27.76		1480.5						
	STD	01000	03.52	34.88	27.76	00.490	1481.2						
	OBS	01005	03.52	34.88	27.76		1481.3						
	OBS	01058	03.48	34.87	27.76		1482.0						

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

KEFIO 31 8463	YEAR 1975	BOTOP 01165	AIR TEMP 06.0	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1306
CONSEC 0071	MONTH 06	SHIP EV	WET BULB 05.5	03 2 4	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4
LAT 46 05.1N	DAY 02	DATA USE 1	BARCMETR 1010.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 6A
LONG 046 45.8W	HOUR 10.6	AREA 05	CLOUD T/A	CL/TR	WEATHER 61	ORIG 011 850 14	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.00	33.53	26.64	00.000	1464.9							
10.6	OBS	00001	04.00	33.53	26.64		1464.9							
	STD	00010	03.98	33.53	26.64	00.014	1465.0							
	OBS	00011	03.98	33.53	26.64		1465.0							
	STD	00020	03.96	33.53	26.64	00.028	1465.0							
	OBS	00020	03.96	33.53	26.64		1465.1							
	STD	00030	04.22	33.63	26.69	00.042	1466.4							
	OBS	00030	04.23	33.63	26.70		1466.5							
	OBS	00038	04.34	33.67	26.72		1467.1							
	OBS	00043	03.78	33.69	26.79		1466.5							
	OBS	00049	02.58	33.74	26.94		1459.9							
	STD	00050	02.36	33.77	26.98	00.066	1459.0							
	OBS	00051	01.90	33.84	27.07		1457.1							
	OBS	00057	02.26	33.94	27.12		1458.9							
	OBS	00059	01.92	33.97	27.18		1457.5							
	OBS	00064	01.32	33.95	27.20		1454.9							
	OBS	00074	00.97	33.95	27.26		1453.5							
	STD	00075	01.02	34.03	27.29	00.090	1453.8							
	OBS	00076	01.08	34.08	27.32		1454.2							
	OBS	00085	01.46	34.21	27.40		1456.2							
	OBS	00089	01.83	34.32	27.46		1458.1							
	OBS	00099	03.43	34.49	27.46		1465.4							
	STD	00100	03.42	34.50	27.47	00.106	1465.4							
	OBS	00102	03.41	34.52	27.49		1465.4							
	STD	00125	03.65	34.63	27.55	00.123	1466.9							
	OBS	00129	03.69	34.64	27.55		1467.2							
	STD	00150	03.82	34.68	27.57	00.137	1468.2							
	OBS	00152	03.84	34.68	27.57		1468.3							
	OBS	00177	03.41	34.66	27.60		1466.8							
	STD	00200	03.79	34.75	27.63	00.162	1468.9							
	OBS	00201	03.82	34.75	27.63		1469.1							
	OBS	00209	03.59	34.74	27.64		1468.2							
	OBS	00226	03.70	34.76	27.65		1469.0							
	STD	00250	03.90	34.82	27.68	00.186	1470.3							
	OBS	00258	03.96	34.84	27.68		1470.7							
	OBS	00277	04.05	34.87	27.70		1471.5							
	STD	00300	04.25	34.92	27.72	00.207	1472.7							
	OBS	00302	04.26	34.92	27.72		1472.8							
	OBS	00315	04.30	34.92	27.71		1473.3							
	STD	00400	04.05	34.92	27.74	00.249	1473.6							
	OBS	00405	04.05	34.92	27.74		1473.6							
	OBS	00451	04.09	34.94	27.75		1474.6							
	STD	00500	04.11	34.96	27.76	00.289	1475.5							
	OBS	00500	04.11	34.96	27.76		1475.5							
	OBS	00550	04.05	34.95	27.76		1476.1							
	STD	00600	03.71	34.91	27.77	00.328	1475.4							
	OBS	00603	03.70	34.91	27.77		1475.4							
	OBS	00622	03.65	34.91	27.77		1475.5							
	OBS	00626	03.64	34.91	27.77		1475.6							
	OBS	00633	03.66	34.91	27.77		1475.6							
	OBS	00637	03.64	34.91	27.77		1475.7							
	OBS	00639	03.64	34.92	27.76		1475.8							
	OBS	00651	03.68	34.92	27.76		1476.2							
	OBS	00694	03.59	34.90	27.77		1476.5							
	STD	00700	03.56	34.89	27.76	00.366	1476.5							
	OBS	00704	03.57	34.89	27.76		1476.5							
	OBS	00708	03.55	34.89	27.77		1476.9							
	STD	00800	03.54	34.90	27.78	00.408	1478.0							
	OBS	00800	03.54	34.90	27.78		1478.0							
	STD	00900	03.54	34.90	27.78	00.449	1479.7							
	OBS	00900	03.54	34.90	27.78		1479.7							
	STD	01000	03.48	34.89	27.77	00.490	1481.1							
	OBS	01000	03.48	34.89	27.77		1481.1							
	OBS	01050	03.46	34.89	27.78		1481.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIO 31 8463	YEAR 1975	BOTOP 00610	AIR TEMP 03.9	OIR MGT PER	WIND-OIR 35	INST STD RECORDER	TEN SG 1306
CONSEC 0072	MONTH 06	SHIP EV	WET BULB 05.8	35 2 2	WIND-SPD 10	TRACE CIR 0	5 SQUARE 4
LAT 45 59.8R	DAY 02	DATA USE 1	BAROMETR 1010.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 046 28.1W	HOUR 12.5	AREA 05	CLCUD T/A	CL/TR	WEATHER X4	ORIG 011 851	1 SQUARE 56

CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	AO2	NO3	SIO3	PH
	STD	C0000	03.93	33.49	26.62	00.000	1464.5							
12.5	OBS	00000	03.93	33.49	26.62		1464.5							
	STD	00010	03.79	33.49	26.63	00.014	1464.1							
	OBS	00011	03.77	33.49	26.63		1464.0							
	STD	00020	03.71	33.50	26.65	00.028	1463.9							
	OBS	00024	03.64	33.51	26.66		1463.7							
	STD	00030	03.50	33.53	26.69	00.042	1463.2							
	OBS	00038	03.28	33.55	26.73		1462.5							
	OBS	00040	02.44	33.59	26.83		1458.9							
	STD	00050	02.00	33.72	26.97	00.067	1457.3							
	OBS	00051	01.96	33.73	26.98		1457.2							
	OBS	00064	01.74	33.82	27.07		1456.6							
	OBS	00070	01.56	34.08	27.29		1456.2							
	OBS	00072	01.53	34.06	27.28		1456.1							
	STD	00075	01.58	34.09	27.30	00.091	1456.4							
	OBS	00081	01.85	34.18	27.35		1457.8							
	OBS	00097	03.12	34.42	27.43		1463.9							
	STD	00100	03.13	34.43	27.44	00.109	1464.0							
	OBS	00104	03.16	34.44	27.45		1464.3							
	OBS	00112	03.25	34.46	27.45		1464.8							
	OBS	00115	03.15	34.46	27.46		1464.5							
	STD	00125	02.99	34.43	27.45	00.125	1463.9							
	OBS	00129	02.78	34.41	27.46		1463.0							
	OBS	00137	02.23	34.38	27.48		1460.7							
	OBS	00144	02.17	34.41	27.51		1460.6							
	STD	C0150	02.44	34.49	27.55	00.140	1462.0							
	OBS	00153	02.46	34.49	27.55		1462.1							
	OBS	00161	02.91	34.53	27.54		1464.2							
	OBS	00175	03.30	34.63	27.58		1466.3							
	STD	00200	03.57	34.71	27.62	00.166	1468.0							
	OBS	00201	03.59	34.71	27.62		1468.1							
	OBS	00230	03.77	34.74	27.62		1469.3							
	STD	00250	03.75	34.78	27.66	00.191	1469.6							
	OBS	00255	03.75	34.79	27.67		1469.7							
	OBS	00279	04.04	34.84	27.68		1471.4							
	STD	C0300	04.04	34.85	27.68	00.213	1471.8							
	OBS	00306	04.04	34.85	27.68		1471.9							
	OBS	00350	04.07	34.90	27.72		1472.8							
	STD	00400	04.11	34.92	27.73	00.257	1473.8							
	OBS	00401	04.11	34.92	27.73		1473.8							
	OBS	00453	04.07	34.92	27.74		1474.5							
	STD	00500	03.98	34.92	27.75	00.298	1474.9							
	OBS	00500	03.98	34.92	27.75		1474.9							
	OBS	00557	03.82	34.92	27.76		1475.2							
	OBS	00595	03.60	34.90	27.76		1475.1							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIC 31 8463	YEAR 1975	BOTDP 01065	AIR TEMP 07.2	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SO 1306
CONSEC 0373	MONTH 06	SHIP EV	WET BULB 07.1	34 2 2	WIND-SPD 11	TRACE DIR 0	5 SQUARE 4
LAT 45 54.2N	DAY 02	DATA USE 1	BARCMETR 1009.9	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 46
LONG 046 14.0W	HOUR 14.2	AREA 05	CLCUD 7/A	CL/TR	WEATHER A4	ORIG 011 852	1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	03.64	33.41	26.56	00.000	1463.2						
14.2	OBS	00005	03.64	33.41	26.58		1463.3						
	STO	00010	03.61	33.41	26.59	00.015	1463.2						
	STO	00020	03.54	33.42	26.60	00.029	1463.1						
	OBS	00022	03.52	33.42	26.60		1463.1						
	STO	00030	03.13	33.47	26.68	00.043	1461.6						
	OBS	00036	03.01	33.48	26.69		1461.2						
	OBS	00040	03.03	33.47	26.88		1461.3						
	STO	00050	02.13	33.55	26.86	00.069	1457.7						
	OBS	00051	02.00	33.63	26.90		1457.2						
	OBS	00055	01.66	33.77	27.03		1456.0						
	OBS	00059	01.78	33.80	27.05		1456.6						
	OBS	00066	01.47	33.79	27.06		1455.4						
	OBS	00068	02.09	33.93	27.13		1458.3						
	STO	00075	01.88	33.98	27.19	00.095	1457.6						
	OBS	00078	01.78	34.07	27.27		1457.3						
	OBS	00079	02.58	34.15	27.27		1460.9						
	OBS	00083	02.58	34.14	27.26		1461.0						
	OBS	00087	01.87	34.07	27.26		1457.6						
	OBS	00091	02.12	34.21	27.35		1459.2						
	OBS	00097	02.25	34.22	27.35		1459.9						
	OBS	00099	02.19	34.22	27.35		1459.7						
	STO	00100	02.48	34.29	27.39	00.115	1461.0						
	OBS	00100	02.70	34.34	27.41		1462.1						
	OBS	00106	03.41	34.35	27.38 *		1465.3						
	OBS	00112	03.50	34.41	27.39		1465.8						
	OBS	00116	03.58	34.52	27.43		1468.0						
	OBS	00119	04.21	34.52	27.40 *		1469.1						
	STO	00125	03.88	34.50	27.42	00.133	1467.7						
	OBS	00125	03.85	34.50	27.43		1467.6						
	OBS	00135	03.57	34.50	27.45		1466.6						
	OBS	00142	03.64	34.50	27.45		1467.0						
	OBS	00148	02.78	34.41	27.46		1463.3						
	STO	00150	02.84	34.45	27.48	00.149	1463.6						
	OBS	00156	03.12	34.56	27.54		1465.1						
	OBS	00165	03.68	34.61	27.53		1467.7						
	OBS	00167	04.55	34.72	27.53		1471.5						
	OBS	00171	04.61	34.72	27.52		1471.8						
	OBS	00173	04.27	34.69	27.53		1470.4						
	OBS	00175	04.24	34.68	27.53		1470.3						
	OBS	00198	03.77	34.67	27.57		1468.7						
	STO	00200	03.89	34.72	27.60	00.177	1469.3						
	OBS	00203	04.07	34.77	27.62		1470.2						
	OBS	00207	04.21	34.75	27.59 *		1470.8						
	OBS	00211	04.00	34.75	27.61		1470.0						
	OBS	00215	04.28	34.76	27.59		1471.2						
	OBS	00232	04.33	34.80	27.61		1471.8						
	STO	00250	04.60	34.87	27.64	00.203	1473.3						
	OBS	00251	04.61	34.87	27.64		1473.4						
	OBS	00272	04.51	34.84	27.63		1473.3						
	OBS	00276	04.16	34.80	27.63		1471.8						
	OBS	00293	03.44	34.73	27.65		1469.0						
	STO	00300	03.61	34.77	27.66	00.227	1469.8						
	OBS	00304	03.71	34.79	27.67		1470.4						
	OBS	00350	04.07	34.89	27.71		1472.8						
	STO	00400	03.98	34.90	27.73	00.271	1473.2						
	OBS	00401	03.98	34.90	27.73		1473.3						
	OBS	00451	04.31	34.98	27.76		1475.6						
	STO	00500	04.43	35.01	27.77	00.311	1476.9						
	OBS	00502	04.43	35.01	27.77		1477.0						
	OBS	00550	04.39	35.00	27.77		1477.6						
	STO	00600	04.11	34.96	27.77	00.351	1477.2						
	OBS	00605	04.09	34.96	27.77		1477.2						
	OBS	00651	04.00	34.97	27.78		1477.6						
	STO	00700	03.97	34.96	27.78	00.391	1478.2						
	OBS	00700	03.97	34.96	27.78		1478.2						
	OBS	00755	03.66	34.93	27.79		1477.8						
	STO	00800	03.61	34.92	27.78	00.430	1478.3						
	OBS	00803	03.61	34.92	27.78		1478.4						
	OBS	00852	03.57	34.92	27.79		1479.0						
	STO	00900	03.57	34.92	27.79	00.470	1479.8						
	OBS	00902	03.57	34.92	27.79		1479.9						
	OBS	00951	03.53	34.92	27.79		1480.5						
	STO	01000	03.53	34.93	27.80	00.510	1481.3						
	OBS	01007	03.53	34.93	27.80		1461.5						
	OBS	01027	03.53	34.93	27.80		1481.8						

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIC 31 84C3	YEAR 1575	BCTOP 02000	AIR TEMP 05.9	DIR FG7 PER	WIND-DIR 33	INST STD RECORDER	TEM SG 1306
CONSEC 0074	MONTH 06	SHIP EV	WET BULB 05.8	33 2 2	WIND-SPD 12	TRACE CIR D	5 SQUARE 4
LAT 45 45.8N	DAY 02	DATA USE 1	BARCMETR 1005.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 046 00.6W	HOUR 16.0	AREA 05	CLOUD T/A	CL/TP	WEATHER X4	OREG 011 853	1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	AO2	AO3	SIO3	PH
	STO	C0000	04.89	33.55	26.56	00.000	1468.6							
16.0	OBS	00005	04.85	33.55	26.56		1468.7							
	STO	00010	04.90	33.56	26.57	00.015	1468.8							
	STO	00020	04.91	33.57	26.57	00.030	1465.1							
	OBS	00020	04.91	33.57	26.57		1465.1							
	STO	C0030	05.01	33.62	26.60	00.044	1469.7							
	OBS	00030	05.02	33.62	26.60		1465.8							
	OBS	00038	05.15	33.64	26.60		1470.4							
	OBS	00040	05.45	33.82	26.71		1471.9							
	STO	00050	06.84	34.13	26.78	00.072	1478.1							
	OBS	00051	07.03	34.17	26.78		1478.9							
	OBS	00055	05.41	34.03	26.88		1472.3							
	OBS	00057	05.01	34.12	27.00		1470.8							
	OBS	000e2	04.99	34.19	27.06		1470.9							
	STO	00075	04.47	34.23	27.15	00.055	1469.0							
	OBS	00078	04.36	34.24	27.17		1468.6							
	OBS	00083	03.87	34.24	27.22		1466.8							
	OBS	00057	04.58	34.40	27.27		1470.1							
	STO	00100	04.67	34.41	27.26	00.121	1470.5							
	OBS	00100	04.70	34.41	27.26		1470.6							
	OBS	00123	05.31	34.55	27.30		1473.7							
	STO	00125	05.29	34.55	27.30	00.142	1473.7							
	OBS	00125	05.22	34.53	27.30		1473.4							
	OBS	00131	05.12	34.57	27.34		1473.1							
	CBS	00133	05.37	34.63	27.36		1474.2							
	OBS	00144	05.06	34.59	27.36		1473.1							
	STO	00150	04.86	34.55	27.35	00.161	1472.4							
	OBS	00152	04.75	34.58	27.35		1471.9							
	OBS	00158	04.40	34.55	27.41		1470.5							
	OBS	00175	04.64	34.64	27.45		1471.9							
	OBS	00156	04.64	34.67	27.48		1472.3							
	STO	00200	05.03	34.74	27.45	00.194	1474.1							
	OBS	00203	05.25	34.78	27.49		1475.1							
	OBS	00211	05.27	34.78	27.49		1475.3							
	OBS	00215	04.97	34.76	27.51		1474.1							
	OBS	00234	04.97	34.77	27.52		1474.4							
	OBS	00236	04.62	34.74	27.53		1473.0							
	OBS	00241	04.25	34.71	27.55		1471.7							
	STO	00250	04.20	34.71	27.56	00.224	1471.4							
	OBS	00255	04.13	34.71	27.56		1471.2							
	OBS	C0260	04.04	34.71	27.57		1470.9							
	OBS	00266	04.04	34.71	27.57		1471.0							
	OBS	00268	04.32	34.77	27.55		1472.3							
	OBS	00285	03.78	34.71	27.60		1470.2							
	STO	00300	04.54	34.86	27.64	00.251	1473.5							
	OBS	C0300	04.57	34.87	27.64		1474.0							
	OBS	00346	04.77	34.50	27.64		1475.6							
	OBS	00354	04.45	34.88	27.66		1474.4							
	OBS	00357	04.50	34.50	27.67		1474.7							
	OBS	00367	04.53	34.98	27.69		1476.8							
	STO	00400	04.58	35.00	27.70	00.296	1477.5							
	OBS	00403	04.58	35.00	27.70		1477.6							
	OBS	00451	04.68	34.98	27.72		1477.1							
	STO	C0500	04.64	35.01	27.75	00.341	1477.8							
	OBS	00500	04.64	35.01	27.75		1477.8							
	OBS	C0550	04.61	35.02	27.76		1476.5							
	STO	00600	04.39	35.00	27.77	00.383	1478.4							
	CBS	00601	04.39	35.00	27.77		1478.4							
	OBS	00652	04.34	35.00	27.77		1479.1							
	STO	00700	04.21	34.98	27.77	00.423	1475.3							
	OBS	C0700	04.21	34.58	27.77		1479.3							
	OBS	00751	04.05	34.94	27.75		1475.4							
	STO	00800	03.71	34.92	27.77	00.464	1476.7							
	OBS	00801	03.70	34.52	27.78		1478.7							
	OBS	00850	03.64	34.52	27.78		1475.3							
	STO	C0900	03.64	-34.92	27.78	00.505	1480.1							
	OBS	00904	03.64	34.92	27.78		1480.2							
	OBS	00951	03.66	34.53	27.79		1481.1							
	STO	C1000	03.64	34.53	27.79	00.545	1481.8							
	OBS	01007	03.62	34.53	27.79		1481.8							
	OBS	01024	03.57	34.52	27.79		1481.5							
	OBS	01062	03.57	34.52	27.79		1482.5							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

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FEFIC  31  8463    YEAR 1975    BOTOP 0010c   AIR TEMP  03.3    DIR HGT PER    WIND-DIR 31    INST STD RECORDER      TEN SO 130c
CONSEC    0075      MONTH  06    SHIP EV       WET BULB  03.3    32  0   2      WIND-SPD 03    TRACE DIR      0       5 SQUARE  2
LAT    44 50.9N     DAY    03    DATA USE  1   BARCMETR 1008.1   SEA            WIND-FOR       CURATION    00.0       2 SQUARE 48
LONG  049 17.0W     HOUR 06.8    AREA     05   CLCUD T/A         CL/TR          WEATHER  X5    ORIG 011 854           1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.78	33.02	26.49	00.000	1450.1							
00.8	OBS	00003	00.78	33.02	26.49		1450.2							
	STD	00010	00.78	33.02	26.49	00.01c	1450.3							
	OBS	00015	00.78	33.02	26.49		1450.3							
	STD	00020	00.59	33.03	26.51	00.031	1449.6							
	OBS	00022	00.51	33.04	26.52		1449.3							
	STD	00030	00.40	33.06	26.54	00.04c	1448.9							
	OBS	00032	00.36	33.06	26.55		1448.8							
	STD	00050	00.11	33.06	26.56	00.076	1447.9							
	OBS	00051	00.10	33.06	26.56		1447.9							
	OBS	0006 8	00.02	33.07	26.57		1447.8							
	STD	00075	- 0.40	33.13	26.64	00.112	1446.1							
	OBS	00076	- 0.50	33.15	26.66		1445.7							
	OBS	0C078	- 0.69	33.18	26.69		1444.9							
	OBS	00097	- 0.80	33.22	26.73		1444.7							
	STD	00100	- 0.80	33.23	26.73	00.146	1444.8							
	OBS	00102	- 0.80	33.24	26.74		1444.8							

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FEFIC  31  8463    YEAR 1975    BOTOP 0010c   AIR TEMP  03.3    DIR HGT PER    WIND-DIR 35    INST STC RECORCER      TEN SO 130c
CONSEC    007c      MONTH  06    SHIP EV       WET BULB  03.2    99  X   X      WIND-SPD 03    TRACE DIR      0       5 SQUARE  2
LAT    44 50.5N     DAY    03    DATA USE  1   BARCMETR 1010.0   SEA            WIND-FOR       DURATION    00.0       2 SQUARE 48
LONG  049 06.0W     HOUR 07.9    AREA     05   CLOUD T/A         CL/TR          WEATHER  X4    ORIG 011 855  10       1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NC3	SIO3	PH
	STD	00000	01.24	32.97	26.42	00.000	1452.1							
07.9	OBS	00001	01.24	32.97	26.42		1452.1							
	OBS	00009	01.23	32.97	26.42		1452.2							
	STD	00010	01.12	32.9c	26.42	00.01c	1451.7							
	OBS	00011	00.85	32.92	26.41		1450.5							
	STD	00020	00.c5	32.98	26.46	00.032	1449.8							
	STD	00030	00.43	33.03	26.52	00.048	1449.0							
	OBS	C0030	0C.42	33.03	26.52		1449.0							
	STD	00050	00.29	33.08	26.56	00.078	1448.8							
	OBS	00053	- 0.01	33.09	26.59		1447.5							
	OBS	00059	- 0.73	33.11	26.63		1444.3							
	OBS	0006 0	- 0.67	33.21	26.71		1444.7							
	OBS	00062	- 0.84	33.19	26.70		1443.9							
	STD	00075	- 0.75	33.27	26.77	00.112	1444.c							
	OBS	0007c	- 0.75	33.28	26.77		1444.7							
	OBS	00091	- 0.78	33.37	26.85		1444.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

PSFID 31 8463	YEAR 1975	BOTOP 00880	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SO 1306
CONSEC 0077	MONTH 06	SHIP EV	WET BULB 02.2	99 X X	WIND-SPD 05	TRACE DIR 0	5 SQUAFE 2
LAT 44 48.0N	DAY 03	DATA USE 1	BARCHETA 1010.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 51.8*	HOUR 09.1	AREA 05	CLCUD 7/A	CL/TR	WEATHER X4	ORIG C11 856 11	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.46	33.05	26.50	CC. 000	1453.3							
09.1	OBS	00001	01.46	33.09	26.50		1453.3							
	STO	00010	01.43	33.05	26.50	00. 015	1453.3							
	STO	00020	C1.20	33.08	26.51	00.031	1452.4							
	OBS	00022	01.10	33.08	26.52		1452.0							
	STO	00030	00.76	33.13	26.58	00.04t	1450.6							
	OBS	C0030	00.73	33.13	26.58		1450.5							
	OBS	00038	00.26	33.18	26.65		1448.6							
	OBS	00041	- 0.55	33.20	26.70		1444.9							
	OBS	00045	- 0.78	33.24	26.74		1444.0							
	STO	00050	- 0.88	33.25	26.75	00.073	1443.6							
	OBS	00051	- 0.91	33.25	26.75		1443.5							
	OBS	00053	- 0.94	33.32	26.81		1443.5							
	OBS	00055	- 0.76	33.31	26.80		1444.3							
	OBS	00057	- 0.77	33.28	26.77 *		1444.3							
	OBS	00059	- 1.27	33.29	26.80		1442.0							
	OBS	00066	- 1.34	33.34	26.84		1441.9							
	STO	00075	- 1.20	33.38	26.87	00.104	1442.7							
	OBS	00076	- 1.19	33.39	26.88		1442.8							
	STO	00100	- 1.15	33.42	26.90	00.134	1443.4							
	OBS	00102	- 1.14	33.46	26.93		1443.6							
	OBS	C0110	- 0.51	33.60	27.02		1446.8							
	STO	00125	- 0.36	33.58	27.00	00.161	1447.7							
	OBS	00125	- 0.35	33.58	27.00		1447.8							
	OBS	00142	- 0.21	33.62	27.02		1448.8							
	STO	00150	00.05	33.71	27.09	00.187	1450.2							
	OBS	00152	00.12	33.74	27.11		1450.6							
	OBS	00177	00.58	33.88	27.19		1453.3							
	OBS	C0180	00.51	33.93	27.24		1453.1							
	OBS	00188	00.92	34.03	27.29		1455.2							
	STO	00200	00.96	34.12	27.36	0C.230	1455.7							
	OBS	00201	01.33	34.19	27.39		1457.5							
	OBS	00203	01.83	34.28	27.43		1459.9							
	OBS	00234	02.17	34.46	27.55		1462.1							
	STO	C0250	02.29	34.53	27.55	00.261	1463.0							
	OES	00251	02.30	34.53	27.55		1463.1							
	OBS	00277	02.31	34.53	27.59		1463.6							
	STO	00300	02.49	34.59	27.62	00.28t	1464.8							
	OBS	C0300	02.50	34.59	27.62		1464.8							
	OBS	00350	02.55	34.73	27.70		1467.8							
	STO	00400	03.18	34.75	27.72	00.352	1469.7							
	OBS	00401	03.19	34.79	27.72		1469.8							
	OBS	00453	03.43	34.83	27.73		1471.7							
	STO	C0500	03.55	34.86	27.74	00.373	1473.2							
	OBS	00500	03.55	34.86	27.74		1473.2							
	OBS	00555	03.53	34.87	27.75		1473.9							
	STO	00600	03.52	34.86	27.75	00.414	1474.5							
	OBS	00605	03.52	34.86	27.75		1474.6							
	OBS	00652	03.57	34.87	27.75		1475.6							
	STO	00700	03.55	34.87	27.75	00.456	1476.3							
	OBS	00700	03.55	34.87	27.75		1476.4							
	OBS	00751	03.53	34.88	27.76		1477.1							
	STO	00800	03.53	34.88	27.76	00.457	1477.9							
	OBS	00803	03.53	34.88	27.76		1478.0							
	OBS	00829	03.52	34.88	27.76		1478.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

PSFID 31 8443	YEAR 1975	BOTOP 01446	AIR TEMP 05.3	DIR HGT PER	WIND-DIR 35	INST STC RECORDER	TEN SQ 1306
CONSEC 0078	MONTH 06	SHIP EV	WET BULB 04.6	05 2 2	WIND-SPD 07	TRACE DIR 0	S SQUARE 2
LAT 44 52.0N	DAY 03	DATA USE 1	BARCMETR 1008.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 38.5W	HOUR 11.0	AREA 05	CLCUD 7/A	CL/TR	WEATHER X2	ORIG 011 857 15	1 SQUARE 48

CASTNUM/TIMS	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.44	33.38	26.66	00.000	1458.0							
11.0	OBS	00003	02.44	33.38	26.66		1458.0							
	STD	00010	02.44	33.37	26.66	00.014	1458.1							
	OBS	00013	02.44	33.57	26.66		1458.2							
	STD	00020	02.55	33.36	26.66	00.028	1457.5							
	STD	00030	02.24	33.36	26.66	00.042	1457.6							
	OBS	00030	02.24	33.36	26.66		1457.6							
	OBS	00041	02.17	33.36	26.67		1457.5							
	OBS	00043	01.94	33.46	26.77		1456.6							
	STD	00050	01.90	33.55	26.84	00.068	1456.7							
	OBS	00055	01.87	33.64	26.92		1456.7							
	STD	00075	01.79	33.95	27.17	00.094	1457.1							
	OBS	00078	01.78	34.09	27.28		1457.3							
	OBS	00079	01.58	34.19	27.38		1456.6							
	OBS	00095	02.24	34.38	27.48		1460.0							
	STD	00100	02.46	34.43	27.50	00.113	1461.1							
	OBS	00100	02.50	34.43	27.50		1461.3							
	OBS	00102	02.33	34.43	27.51		1460.6							
	OBS	00110	02.37	34.49	27.56		1461.0							
	OBS	00118	02.61	34.51	27.55		1462.2							
	STD	00125	02.60	34.53	27.57	00.127	1462.3							
	OBS	00125	02.60	34.53	27.57		1462.5							
	STD	00150	02.65	34.56	27.58	00.141	1463.0							
	OBS	00152	02.66	34.56	27.59		1463.0							
	OBS	00175	02.58	34.59	27.62		1463.1							
	STD	00200	02.75	34.68	27.67	00.165	1464.4							
	OBS	00201	02.76	34.68	27.67		1464.5							
	OBS	00232	03.07	34.72	27.68		1466.4							
	STD	00250	03.24	34.75	27.69	00.187	1467.4							
	OBS	00253	03.27	34.76	27.69		1467.6							
	OBS	00275	03.46	34.80	27.70		1468.5							
	OBS	00258	03.65	34.86	27.73		1470.3							
	STD	00300	03.72	34.86	27.73	00.208	1470.4							
	OBS	00310	03.95	34.90	27.73		1471.6							
	OBS	00352	03.96	34.91	27.74		1472.4							
	STD	00400	03.91	34.91	27.75	00.246	1473.0							
	OBS	00405	03.90	34.91	27.75		1473.0							
	OBS	00451	03.70	34.88	27.74		1472.9							
	STD	00500	03.62	34.89	27.76	00.288	1473.4							
	OBS	00504	03.62	34.89	27.76		1473.4							
	OBS	00552	03.65	34.90	27.76		1474.5							
	STD	00600	03.66	34.90	27.76	00.327	1475.2							
	OBS	00603	03.66	34.90	27.76		1475.2							
	OBS	00652	05.62	34.90	27.77		1475.9							
	STD	00700	03.61	34.89	27.76	00.367	1476.6							
	OBS	00702	03.61	34.89	27.76		1476.7							
	OBS	00753	03.53	34.89	27.77		1477.2							
	STD	00800	03.53	34.89	27.77	00.408	1478.0							
	OBS	00805	03.53	34.89	27.77		1478.0							
	OBS	00852	03.52	34.88	27.76		1478.8							
	STC	00900	03.50	34.88	27.76	00.450	1479.5							
	OBS	00906	03.50	34.88	27.76		1479.6							
	OBS	00951	03.50	34.88	27.76		1480.3							
	STD	01000	03.50	34.87	27.76	00.492	1481.1							
	OBS	01001	03.50	34.87	27.76		1481.2							
	OBS	01058	03.48	34.87	27.76		1482.0							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FEFIO 31 8463	YEAR 1975	GOTOP 02357
CONSEC 0375	MONTH 06	SHIP EV
LAT 44 50.5N	DAY 03	DATA USE 1
LONG 048 24.0W	HOUR 12.7	AREA 05

AIR TEMP 04.8	DIR PGT PER	WIND-DIR 32
WET BULB 04.7	32 1 2	WIND-SPD 10
BARCMETR 1010.8	SEA	WIND-FOR
CLOUD 7/A	CL/TR	WEATHER X4

INST STD RECORDER	TEM SD 1306
TRACE DIR 0	5 SQUARE 2
DURATION 00.5	2 SQUARE 48
ORIG 011 858 10	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.75	33.37	26.63	00.000	1459.3							
12.7	OBS	00001	02.75	33.37	26.63		1459.3							
	STD	00010	02.72	33.37	28.63	00.014	1459.3							
	OBS	00011	02.71	33.37	26.63		1459.3							
	STD	00020	02.89	33.37	26.63	00.028	1459.4							
	STD	00030	02.67	33.37	26.64	00.042	1459.5							
	OBS	00032	02.67	33.37	26.64		1459.5							
	OBS	00049	01.94	33.78	27.02		1457.1							
	STD	00050	01.92	33.78	27.03	00.067	1457.1							
	OBS	00053	01.80	33.82	27.06		1456.6							
	OBS	00086	01.51	34.00	27.23		1455.8							
	OBS	00070	01.35	34.04	27.27		1455.2							
	STD	00075	01.70	34.17	27.35	00.089	1457.1							
	OBS	00076	01.76	34.19	27.36		1457.3							
	OBS	00089	01.53	34.22	27.40		1456.6							
	OBS	00095	01.77	34.30	27.45		1457.9							
	STD	00100	01.78	34.33	27.47	00.106	1457.9							
	OBS	00100	01.78	34.33	27.48		1457.9							
	OBS	00121	02.43	34.46	27.53		1461.4							
	STD	00125	02.55	34.48	27.54	00.121	1462.0							
	OBS	00133	02.62	34.54	27.56		1463.4							
	STD	00150	03.29	34.63	27.58	00.135	1465.8							
	OBS	00150	03.29	34.63	27.58		1465.8							
	OBS	00175	02.87	34.60	27.60		1464.4							
	OBS	00190	02.46	34.58	27.62		1462.8							
	STD	00200	02.45	34.59	27.63	00.160	1462.9							
	OBS	00203	02.44	34.59	27.63		1463.0							
	OBS	00226	02.57	34.64	27.66		1464.0							
	STD	00250	02.77	34.69	27.68	00.183	1465.3							
	OBS	00251	02.78	34.69	27.68		1465.4							
	OBS	00276	03.02	34.72	27.68		1466.5							
	OBS	00279	03.08	34.76	27.71		1467.2							
	OBS	00291	03.32	34.79	27.71		1468.5							
	STD	00300	03.35	34.80	27.71	00.205	1468.9							
	OBS	00306	03.43	34.81	27.71		1469.2							
	OBS	00352	03.62	34.86	27.74		1470.9							
	STD	00400	04.18	34.95	27.75	00.246	1474.1							
	OBS	00407	04.20	34.95	27.75		1474.3							
	OBS	00451	03.96	34.92	27.75		1474.0							
	STD	00500	04.14	34.96	27.76	00.288	1475.6							
	OBS	00502	04.14	34.96	27.76		1475.7							
	OBS	00550	04.07	34.95	27.76		1476.2							
	STD	00600	04.02	34.95	27.77	00.325	1476.8							
	OBS	00601	04.02	34.95	27.77		1476.8							
	OBS	00651	03.91	34.94	27.77		1477.1							
	STD	00700	03.87	34.94	27.77	00.366	1477.8							
	OBS	00700	03.87	34.94	27.77		1477.8							
	OBS	00751	03.80	34.93	27.77		1478.3							
	STD	00800	03.80	34.93	27.77	00.406	1479.1							
	OBS	00805	03.80	34.93	27.77		1479.2							
	OBS	00850	03.75	34.93	27.78		1479.8							
	STD	00900	03.68	34.92	27.78	00.447	1480.3							
	OBS	00906	03.67	34.92	27.78		1480.4							
	OBS	00953	03.66	34.92	27.78		1481.1							
	STD	01000	03.65	34.92	27.78	00.488	1481.8							
	OBS	01001	03.65	34.92	27.78		1481.9							
	OBS	01054	03.64	34.92	27.78		1482.7							

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TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC   STATION   DATA

REFID 31 8463	YEAR 1977	BOTOP 02763	AIR TEMP 05.7	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1306
CONSEC 0083	MONTH 06	SHIP EV	WET BULB 05.1	34 1 2	WIND-SPC 14	TRACE DIR C	5 SQUARE 2
LAT 44 51.0N	DAY 03	DATA USE 1	BARCMETR 1009.9	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 48
LONG 048 09.0W	HOUR 14.7	AREA 05	CLCUD 7/A	CL/TR	WEATHER 34	ORIG 011 859 12	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT	RC2	NO3	SIO3	PH
	STD	00000	03.32	33.27	26.50	00.000	1461.6							
14.7	OBS	00001	03.32	33.27	26.50		1461.7							
	OBS	00005	03.16	33.17	26.43 m		1460.9							
	STD	00010	03.31	33.20	26.44	00.016	1461.7							
	OBS	00015	03.49	33.26	26.48		1462.6							
	OBS	00015	02.74	33.33	26.59		1459.7							
	STD	00020	02.77	33.33	26.60	00.031	1459.7							
	OBS	00020	02.75	33.33	26.60		1459.6							
	STD	00030	02.68	33.34	26.61	00.045	1459.4							
	OBS	00034	02.64	33.36	26.63		1459.4							
	OBS	00038	02.75	33.38	26.64		1460.0							
	STD	00050	02.50	33.36	26.64	00.074	1459.0							
	OBS	00051	02.46	33.36	26.65		1458.9							
	OBS	00074	01.72	34.03	27.24		1456.5							
	STD	00075	01.81	34.08	27.27	00.102	1457.4							
	OBS	00079	02.15	34.22	27.35		1455.3							
	OBS	00081	02.28	34.19	27.32 •		1455.7							
	OBS	00093	01.56	34.18	27.37		1456.7							
	OBS	00095	01.55	34.21	27.39		1456.8							
	STD	00100	01.68	34.26	27.42	00.120	1457.4							
	OBS	00102	01.70	34.27	27.43		1457.6							
	OBS	00108	01.74	34.27	27.43		1457.9							
	OBS	00116	02.35	34.36	27.45		1460.8							
	OBS	00121	02.37	34.41	27.49		1461.1							
	STD	00125	02.01	34.41	27.52	00.136	1455.5							
	OBS	00125	01.98	34.41	27.52		1459.4							
	OBS	00131	02.42	34.45	27.52		1461.5							
	OBS	00146	02.37	34.49	27.56		1461.6							
	STD	00150	03.07	34.57	27.56	00.150	1464.8							
	OBS	00152	03.46	34.62	27.56		1466.6							
	OBS	00177	03.80	34.69	27.58		1468.5							
	OBS	00199	04.27	- 34.80	27.62		1471.0							
	STD	00200	04.27	34.80	27.62	00.176	1471.0							
	OBS	00207	04.04	34.76	27.61		1470.1							
	OBS	00226	04.38	34.86	27.66		1472.0							
	STD	00250	04.53	34.87	27.65	00.200	1473.0							
	OBS	00251	04.54	34.87	27.65		1473.1							
	OBS	00270	04.72	34.90	27.65		1474.2							
	OBS	00272	04.45	34.85	27.64		1473.0							
	OBS	00276	04.39	34.85	27.65		1472.8							
	OBS	00281	04.34	34.85	27.65		1472.7							
	OBS	00295	03.20	34.68	27.63		1467.9							
	OBS	00297	03.01	34.70	27.67		1467.1							
	STD	00300	03.01	34.70	27.67	00.224	1467.2							
	OBS	00304	03.02	34.71	27.67		1467.3							
	OBS	00325	03.53	34.78	27.68		1469.9							
	OBS	00329	03.78	34.86	27.72		1471.2							
	OBS	00352	04.20	34.92	27.72		1473.4							
	OBS	00363	04.09	34.88	27.70		1473.1							
	STD	00400	04.23	34.92	27.72	00.268	1474.3							
	OBS	00401	04.23	34.92	27.72		1474.3							
	OBS	00451	04.25	34.94	27.73		1475.3							
	STD	00500	03.86	34.89	27.73	00.310	1474.4							
	OBS	00500	03.86	34.89	27.73		1474.4							
	OBS	00550	03.93	34.92	27.75		1475.5							
	STD	00600	03.94	34.93	27.76	00.352	1476.4							
	OBS	00601	03.94	34.93	27.76		1476.4							
	OBS	00651	03.95	34.94	27.77		1477.3							
	STD	00700	03.99	34.95	27.77	00.392	1478.3							
	OBS	00700	03.99	34.95	27.77		1478.3							
	OBS	00750	03.95	34.94	27.77		1479.0							
	STD	00800	03.87	34.93	27.77	00.433	1479.4							
	OBS	00805	03.86	34.93	27.77		1479.5							
	OBS	00852	03.78	34.93	27.77		1479.9							
	STD	00900	03.70	-34.91	27.77	00.475	1480.4							
	OBS	00900	03.73	34.91	27.77		1480.4							
	OBS	00955	03.60	34.90	27.77		1480.9							
	STD	01000	03.52	34.89	27.77	00.517	1481.2							
	OBS	01001	03.52	34.89	27.77		1481.3							
	OBS	01060	03.53	34.90	27.78		1482.3							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

NSFID 31 8463	YEAR 1975	BCTOP 03140	AIR TEMP 06.2	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SO 1306
CONSEC 3381	MONTH 06	SHIP EV	WET BULB 05.8	32 2 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 2
LAT 4= 51.3N	DAY 03	DATA USE 1	BARCPETR 1009.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 04° 56.0W	HOUR 16.3	AREA 05	CLOUD T/A	CL/TA	WEATHER X4	ORIG 011 860 11	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	AC2	NO3	SIO3	PH
16.3	OBS	C0005	04.00	33.27	26.43		1464.7							
	STD	00010	04.00	33.27	26.43		1464.7							
	OBS	00015	03.58	33.26	26.43		1464.7							
	STD	00020	03.57	33.26	26.43		1464.7							
	CBS	00022	03.57	33.26	26.43		1464.8							
	OBS	0C024	03.84	53.27	26.45		1464.3							
	OBS	00826	02.87	33.27	26.56		1459.3							
	OBS	00028	02.30	33.36	26.66		1457.8							
	STD	00030	02.31	33.36	26.66		1457.9							
	OBS	00032	02.32	33.37	26.66		1458.0							
	STD	C0050	02.30	33.43	26.72		1458.3							
	OBS	00055	02.30	33.48	26.75		1458.4							
	STD	00075	01.72	33.86	27.10		1456.7							
	OBS	00081	01.56	33.94	27.18		1456.2							
	STD	00100	01.22	34.00	27.25		1455.1							
	OBS	C0100	01.22	34.00	27.25		1455.1							
	OBS	00108	01.28	34.05	27.29		1455.6							
	OBS	00112	01.65	34.15	27.34		1457.4							
	OBS	00123	01.96	34.20	27.36		1459.0							
	STD	00123	01.83	34.21	27.37		1458.5							
	OBS	00125	01.78	34.21	27.38		1458.3							
	STD	00130	01.69	34.30	27.46		1458.4							
	OBS	00150	01.65	34.30	27.46		1458.4							
	OBS	00173	02.01	34.39	27.50		1460.3							
	OBS	00175	02.53	34.44	27.50		1462.7							
	OBS	00182	02.09	34.44	27.54		1460.5							
	STD	00200	02.32	34.50	27.56		1462.3							
	OBS	00201	02.37	34.50	27.56		1462.5							
	OBS	00205	02.48	34.51	27.56		1463.1							
	OBS	00213	03.31	34.64	27.59		1467.0							
	OBS	00228	03.46	34.66	27.59		1467.9							
	OBS	00232	03.56	34.75	27.61		1470.2							
	STD	00250	03.41	34.67	27.61		1468.0							
	OBS	00251	03.38	34.67	27.61		1468.0							
	OBS	00262	03.27	34.69	27.63		1467.7							
	OBS	00272	03.71	34.74	27.63		1469.8							
	OBS	00276	03.87	34.75	27.65		1470.6							
	STD	00300	04.29	34.85	27.66		1472.8							
	OBS	00300	04.30	34.85	27.66		1472.5							
	OBS	00350	04.46	34.51	27.69		1474.4							
	STD	C0400	04.63	34.56	27.71		1476.0							
	OBS	00401	04.63	34.56	27.71		1476.0							
	OBS	00451	04.54	34.57	27.73		1476.5							
	STD	00500	04.25	34.93	27.74		1476.3							
	OBS	00502	04.28	34.55	27.74		1476.2							
	OBS	00550	04.12	34.54	27.75		1476.4							
	STD	00600	03.50	34.92	27.76		1476.2							
	OBS	00603	03.89	34.52	27.76		1476.2							
	OBS	00652	03.82	34.51	27.75		1476.8							
	STD	00700	03.96	34.54	27.76		1478.2							
	OBS	00700	03.96	34.54	27.76		1478.2							
	OBS	00750	03.89	34.53	27.76		1478.7							
	STD	00800	03.81	34.52	27.76		1479.2							
	OBS	00801	03.81	34.92	27.76		1479.2							
	OBS	00852	03.72	34.51	27.77		1479.7							
	STD	C0900	03.62	34.90	27.77		1480.0							
	OBS	00900	03.62	34.50	27.77		1480.0							
	OBS	00953	03.78	34.53	27.77		1481.6							
	STD	01000	03.64	34.51	27.77		1481.8							
	OBS	01003	03.64	34.91	27.77		1481.8							
	OBS	01054	C3.70	34.92	27.78		1483.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

SEFIC 31 8463	YEAR 1975	BOTDP 03423	AIR TEMP 07.4	DIR HGT PER	WIND-DIR 33	INST STC RECORDER	TEN SQ 1306
CONSEC 0082	MONTH 06	SHIP EV	WET BULB 07.0	33 2 2	WIND-SPD 11	TRACE DIR D	5 SQUARE 2
LAT 44 51.5N	DAY 03	DATA USE 1	BARCMETR 1009.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 047 43.1W	HOUR 18.3	AREA 05	CLOUD 7/6	CL/TR	WEATHER X4	DATG 012 861 10	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OXMDPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.24	33.67	26.62	CO.000	1470.2							
18.3	OBS	00003	05.24	33.67	26.62		1470.3							
	STD	00010	05.31	33.71	26.64	00.014	1470.7							
	OBS	00015	05.37	33.74	26.68		1471.1							
	STD	00020	06.15	33.98	26.75	00.028	1474.7							
	OBS	00020	06.26	34.01	26.76		1475.2							
	STD	00030	06.72	34.15	26.81	00.041	1477.3							
	OBS	00030	06.76	34.16	26.81		1477.5							
	OBS	00034	07.14	34.19	26.78 *		1479.1							
	OBS	00043	07.38	34.30	26.84		1480.3							
	STD	00050	07.98	34.44	26.85	00.065	1482.5							
	OBS	00053	08.26	34.50	26.86		1484.1							
	OBS	00059	08.67	34.60	26.88		1485.5							
	STD	00075	08.71	34.61	26.88	00.095	1486.3							
	OBS	00076	08.71	34.61	26.88		1486.4							
	OBS	00081	08.71	34.60	26.87		1486.4							
	OBS	00085	05.31	34.04	26.90		1472.4							
	OBS	00087	04.17	33.95	26.96		1467.6							
	OBS	00093	03.89	33.96	26.99		1466.5							
	OBS	00095	03.80	33.93	26.98		1466.1							
	OBS	00099	03.50	33.92	27.00		1464.5							
	STD	00100	03.13	33.87	27.00	00.124	1463.3							
	OBS	00102	02.29	33.81	27.02		1459.6							
	OBS	00104	01.87	33.83	27.07		1457.8							
	OBS	00108	01.85	33.82	27.06		1457.8							
	OBS	00114	01.60	33.80	27.06		1456.7							
	OBS	00118	01.17	33.83	27.12		1454.5							
	OBS	00119	01.07	33.82	27.11		1454.5							
	STD	00125	01.17	33.84	27.12	00.145	1455.0							
	OBS	00129	01.34	33.91	27.17		1456.0							
	OBS	00131	01.44	33.96	27.20		1456.5							
	OBS	00135	01.73	33.96	27.18		1457.5							
	OBS	00144	01.81	34.04	27.24		1458.5							
	OBS	00146	01.57	34.03	27.25		1457.4							
	STD	00150	01.53	34.05	27.27	00.171	1457.4							
	OBS	00150	01.53	34.05	27.27		1457.4							
	OBS	00159	01.55	34.05	27.27		1457.6							
	OBS	00161	01.27	34.04	27.28		1456.4							
	OBS	00173	01.44	34.13	27.34		1457.4							
	OBS	00177	01.44	34.12	27.33		1457.5							
	OBS	00194	01.60	34.21	27.39		1458.6							
	OBS	00198	01.89	34.24	27.39		1460.0							
	STD	00200	02.33	34.31	27.42	00.205	1462.0							
	OBS	00201	02.58	34.35	27.43		1463.2							
	OBS	00205	02.67	34.36	27.43		1463.7							
	OBS	00213	03.45	34.45	27.43		1467.3							
	OBS	00226	03.49	34.50	27.46		1467.8							
	OBS	00247	03.91	34.61	27.51		1470.0							
	STD	00250	04.06	34.64	27.52	00.241	1470.7							
	OBS	00255	04.30	34.70	27.54		1471.9							
	OBS	00276	04.38	34.71	27.54		1472.6							
	STD	00300	04.27	34.72	27.56	00.270	1472.6							
	OBS	00300	04.27	34.72	27.56		1472.6							
	OBS	00333	04.54	34.79	27.58		1474.3							
	OBS	00344	04.27	34.74	27.57		1473.3							
	OBS	00348	04.97	34.92	27.64		1476.5							
	OBS	00352	05.02	34.91	27.62		1476.8							
	OBS	00359	05.20	34.93	27.62		1477.7							
	OBS	00369	05.00	34.92	27.63		1477.0							
	OBS	00376	05.12	34.95	27.64		1477.6							
	OBS	00386	04.77	34.88	27.63		1476.3							
	OBS	00395	04.38	34.87	27.62		1474.7							
	STD	00400	04.16	34.81	27.64	00.324	1473.9							
	OBS	00411	03.86	34.80	27.66		1472.8							
	OBS	00422	03.98	34.82	27.67		1473.5							
	OBS	00434	04.76	34.95	27.68		1477.1							
	OBS	00437	05.02	34.99	27.69		1478.3							
	OBS	00451	05.09	35.00	27.69		1478.9							
	OBS	00458	05.32	35.04	27.69		1479.9							
	OBS	00463	04.77	34.96	27.69		1478.1							
	OBS	00468	04.45	34.90	27.68		1476.8							
	STD	00500	04.43	34.90	27.68	CD.373	1476.7							
	OBS	00504	04.36	34.91	27.70		1476.6							
	OBS	00536	04.61	34.96	27.71		1478.2							
	OBS	00552	04.47	34.95	27.72		1477.5							
	STD	00600	04.22	34.93	27.73	00.418	1477.6							
	OBS	00605	04.22	34.93	27.73		1477.7							
	OBS	00651	04.38	34.97	27.74		1479.2							
	STD	00700	04.45	34.99	27.75	00.461	1480.3							
	OBS	00700	04.45	34.99	27.75		1480.3							
	OBS	00753	04.12	34.94	27.75		1479.7							
	STD	00800	04.04	34.94	27.76	00.504	1480.2							
	OBS	00809	04.02	34.94	27.76		1480.2							
	OBS	00854	03.91	34.93	27.76		1480.5							
	STD	00900	03.87	34.93	27.77	00.547	1481.1							
	OBS	00902	03.87	34.93	27.77		1481.1							
	OBS	00951	03.80	34.92	27.76		1481.2							
	STD	01000	03.78	34.92	27.77	00.590	1482.4							
	OBS	01001	03.78	34.92	27.77		1482.4							
	OBS	01056	03.75	34.92	27.77		1483.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 03497	AIR TEMP 09.5	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SO 1306
CONSEC 0083	MONTH 06	SHIP EV	WET BULB 09.3	35 1 2	WIND-SPD 09	TRACE DIR 0	5 SQUARE 2
LAT 44 35.4N	DAY 03	DATA USE 1	BARCMETR 1009.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 40.8W	HOUR 20.9	AREA 05	CLOUD 7/A	CL/TR	WEATHER X4	ORIG 011 862 10	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.80	34.49	26.77	00.000	1485.3							
20.9	OBS	00003	08.80	34.49	26.77		1485.4							
	STD	00010	08.80	34.49	26.77	00.013	1485.5							
	OBS	00011	08.80	34.49	26.77		1485.6							
	STD	00020	08.78	34.49	26.78	00.026	1485.6							
	OBS	00020	08.78	34.50	26.78		1485.6							
	STD	00030	09.19	34.66	26.84	00.038	1487.5							
	OBS	00032	09.28	34.70	26.86		1487.9							
	OBS	00041	09.55	34.82	26.91		1489.2							
	OBS	00045	09.88	34.87	26.89		1490.5							
	STD	00050	09.96	34.91	26.91	00.062	1490.9							
	OBS	00055	10.05	34.95	26.92		1491.4							
	OBS	00057	10.80	35.11	26.92		1494.3							
	OBS	00064	11.09	35.22	26.95		1495.6							
	OBS	00066	11.49	35.33	26.96		1497.2							
	OBS	00072	11.53	35.31	26.94		1497.4							
	STD	00075	11.61	35.33	26.94	00.091	1497.8							
	OBS	00081	11.80	35.39	26.95		1498.6							
	STD	00100	12.27	35.52	26.95	00.119	1500.7							
	OBS	00104	12.33	35.53	26.95		1501.0							
	STD	00125	12.24	35.50	26.95	00.148	1501.0							
	OBS	00125	12.24	35.50	26.95		1501.0							
	STD	00150	12.00	35.51	27.00	00.176	1500.6							
	OBS	00150	12.00	35.51	27.00		1500.6							
	OBS	00177	11.83	35.49	27.02		1500.4							
	STD	00200	11.08	35.37	27.07	00.230	1498.0							
	OBS	00201	11.02	35.36	27.07		1497.8							
	OBS	00226	10.07	35.15	27.08		1494.5							
	OBS	00236	09.26	35.06	27.14		1491.6							
	OBS	00237	09.19	35.06	27.15		1491.4							
	OBS	00247	08.31	34.92	27.18		1488.1							
	STD	00250	08.31	34.93	27.19	00.280	1488.1							
	OBS	00255	08.32	34.95	27.21		1488.3							
	OBS	00260	08.75	35.06	27.22		1490.1							
	OBS	00277	08.66	35.07	27.25		1490.1							
	STD	00300	08.73	35.11	27.27	00.325	1490.7							
	OBS	00300	08.73	35.11	27.27		1490.8							
	OBS	00344	08.24	35.04	27.29		1489.5							
	OBS	00346	07.55	34.94	27.31		1487.0							
	OBS	00354	07.47	34.93	27.32		1486.6							
	OBS	00363	07.03	34.89	27.35		1485.0							
	OBS	00371	06.49	34.84	27.38		1482.9							
	OBS	00380	06.58	34.88	27.40		1483.5							
	OBS	00382	06.36	34.88	27.43		1482.7							
	OBS	00390	06.33	34.86	27.42		1482.6							
	OBS	00392	06.02	34.79	27.41		1481.3							
	OBS	00399	05.79	34.76	27.43		1480.5							
	STD	00400	05.76	34.76	27.43	00.404	1480.4							
	OBS	00407	05.21	34.76	27.48		1478.3							
	OBS	00447	04.97	34.79	27.53		1478.0							
	OBS	00451	04.61	34.73	27.53		1476.5							
	OBS	00487	04.50	34.83	27.62		1476.7							
	OBS	00498	05.42	34.96	27.61		1480.9							
	STD	00500	05.44	34.97	27.62	00.467	1481.0							
	OBS	00502	05.47	34.98	27.62		1481.2							
	OBS	00523	05.52	34.99	27.63		1481.7							
	OBS	00533	05.36	34.97	27.63		1481.2							
	OBS	00552	05.50	35.03	27.66		1482.2							
	OBS	00574	05.87	35.07	27.67		1483.3							
	STD	00600	05.42	35.08	27.71	00.518	1482.7							
	OBS	00601	05.41	35.08	27.71		1482.7							
	OBS	00652	05.18	35.02	27.69		1482.5							
	STD	00700	04.92	35.04	27.74	00.565	1482.3							
	OBS	00702	04.91	35.04	27.74		1482.3							
	OBS	00750	04.72	35.01	27.74		1482.3							
	STD	00800	04.55	35.00	27.75	00.610	1482.4							
	OBS	00801	04.55	35.00	27.75		1482.4							
	OBS	00850	04.45	35.00	27.76		1482.8							
	STD	00900	04.34	34.99	27.76	00.654	1483.2							
	OBS	00900	04.34	34.99	27.76		1483.2							
	OBS	00951	04.04	34.94	27.76		1482.7							
	STD	01000	03.96	34.94	27.76	00.698	1483.1							
	OBS	01003	03.95	34.94	27.77		1483.2							
	OBS	01069	03.80	34.92	27.76		1483.6							

TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O C C   S T A T I O N   D A T A

FFFIC 31 8463	YEAR 1575	BOTOP 02613	AIR TEMP 08.9	DIA HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1306
CONSEC 0084	MONTH 06	SHIP EV	WET BULB 08.1	08 0 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2
LAT 44 23.1N	DAY 03	DATA USE 1	BARDMETR 1008.4	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 41.8W	HOUR 23.1	AREA 05	CLOUD 7/A	CL/TP	WEATHER X2	ORIG CL1 863	1 SQUARE 47

CASTNUM/TIME	LVLTYP	CEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OAYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.79	33.86	26.57	00.000	1476.7							
23.1	085	00001	06.79	33.86	26.57		1476.8							
	STD	00010	06.79	33.85	26.56	00.015	1476.9							
	085	00013	06.79	33.85	26.56		1476.9							
	STD	00020	06.70	33.85	26.58	00.030	1476.7							
	085	00020	06.69	33.85	26.58		1476.7							
	085	00028	07.19	34.06	26.67		1479.0							
	STD	00030	09.49	34.74	26.86	00.043	1488.7							
	085	00030	10.21	34.96	26.90		1491.6							
	085	00043	10.81	35.12	26.92		1494.2							
	085	00049	10.84	35.16	26.95		1494.4							
	STD	00050	10.89	35.17	26.95	00.066	1494.6							
	085	00053	11.16	35.24	26.95		1495.7							
	STD	00075	11.34	35.27	26.94	00.095	1496.8							
	085	00076	11.36	35.27	26.94		1496.8							
	STD	00100	11.87	35.45	26.98	00.123	1499.2							
	085	00100	11.88	35.45	26.98		1499.3							
	STD	00125	11.95	35.49	27.00	00.151	1500.0							
	085	00125	11.95	35.49	27.00		1500.0							
	085	00133	11.90	35.48	27.00		1499.9							
	STD	00150	11.31	35.40	27.05	00.178	1498.1							
	085	00150	11.30	35.40	27.05		1498.0							
	085	00169	10.61	35.24	27.05		1495.7							
	085	00175	10.13	35.18	27.09		1494.0							
	085	00188	09.82	35.17	27.13		1493.0							
	STD	00200	08.91	35.01	27.16	00.228	1489.6							
	085	00201	08.85	35.00	27.16		1489.5							
	085	00207	08.83	34.98	27.15		1489.4							
	085	00228	08.01	34.87	27.19		1486.5							
	085	00236	08.03	34.91	27.22		1486.8							
	STD	00250	08.26	34.96	27.24	00.274	1488.0							
	085	00253	08.30	34.99	27.24		1488.2							
	085	00258	08.37	35.01	27.25		1488.6							
	085	00266	07.56	34.85	27.24		1485.4							
	085	00277	07.15	34.80	27.26		1483.9							
	STD	00300	07.48	34.96	27.34	00.316	1485.8							
	085	00308	07.60	34.97	27.33		1486.4							
	085	00321	07.29	34.94	27.35		1485.4							
	085	00344	06.96	34.95	27.41		1484.5							
	085	00357	05.93	34.81	27.43		1480.4							
	STD	00400	05.27	34.77	27.48	00.389	1478.4							
	085	00401	05.16	34.75	27.48		1477.9							
	085	00403	05.02	34.72	27.47		1477.4							
	085	00413	04.59	34.66	27.47		1475.7							
	085	00453	04.70	34.79	27.56		1477.0							
	STD	00500	04.69	34.82	27.59	00.450	1477.7							
	085	00502	04.69	34.82	27.59		1477.8							
	085	00510	04.57	34.82	27.60		1477.4							
	085	00515	04.81	34.88	27.62		1478.6							
	085	00546	04.88	34.91	27.64		1479.4							
	085	00553	04.68	34.89	27.65		1478.7							
	085	00555	04.72	34.90	27.65		1478.9							
	085	00563	05.06	34.95	27.65		1480.5							
	STD	00600	05.27	35.00	27.67	00.504	1482.0							
	085	00609	05.27	35.01	27.67		1482.2							
	085	00656	04.97	34.99	27.69		1481.7							
	STD	00700	04.44	34.93	27.70	00.553	1480.1							
	085	00706	04.38	34.92	27.70		1480.0							
	085	00750	04.11	34.90	27.72		1479.6							
	STD	00800	04.07	34.91	27.73	00.600	1480.3							
	085	00801	04.07	34.91	27.73		1480.3							
	085	00850	04.14	34.94	27.75		1481.4							
	STD	00900	03.98	34.91	27.74	00.645	1481.5							
	085	00900	03.98	34.91	27.74		1481.5							
	085	00951	03.90	34.91	27.75		1482.1							
	STD	01000	03.86	34.91	27.75	00.690	1482.7							
	085	01001	03.86	34.91	27.75		1482.7							
	065	01050	03.82	34.91	27.75		1483.4							

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N O O C   S T A T I O N   D A T A

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FSFID  31  8463      YEAR 1977     BOTOP 03103     AIR TEMP  07.7     CIR HGT PER     WIND-DIR 32     INST STO RECORDER     TEN SO 1306
CONSEC    0085       MONTH 06      SHIP EV         WET BULB  07.7      35   2   2     WIND-SPO 12     TRACE DIR        C    5 SQUARE   2
LAT   44 05.2N       DAY   04      DATA USE  1     BARONETR 1008.6    SEA             WIND-FOR        DURATION      00.4    2 SQUARE  46
LONC  047 41.0W      HOUR 01.6     AREA      05    CLCUO T/4          CL/TR           WEATHER  A2     ORIG 011 864         1 SQUARE  47
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	S&L	SIGMA-T	OYNOPTH	SND VEL	OXYC	PO4	TOT P	AO2	NO3	SIO3	PH
	STO	C0000	06.38	33.97	26.71	00.000	1475.2							
01.6	OBS	00001	06.38	33.97	26.71		1475.3							
	C8S	00007	06.38	33.96	26.70		1475.4							
	STO	00010	06.38	33.96	26.71	00.013	1475.4							
	OBS	00019	06.38	33.97	26.71		1475.5							
	STO	00020	06.48	34.03	26.74	00.027	1476.0							
	OBS	00024	06.57	34.08	26.77		1476.5							
	OBS	00026	07.44	34.38	26.89		1480.4							
	STO	00030	08.57	34.62	26.91	00.039	1485.1							
	OBS	00036	10.07	34.94	26.91		1491.2							
	STO	00050	10.26	34.98	26.91	00.062	1492.1							
	OBS	00055	10.27	34.98	26.91		1492.2							
	OBS	00070	10.14	34.96	26.92		1492.0							
	OBS	00072	09.75	34.84	26.89 •		1490.5							
	STO	00075	08.95	34.69	26.90	00.092	1487.3							
	OBS	00076	08.70	34.65	26.91		1486.4							
	OBS	00081	08.14	34.61	26.97		1484.3							
	OBS	00085	08.28	34.64	26.97		1484.9							
	OBS	0C089	07.33	34.50	27.00		1481.2							
	OBS	00095	06.70	34.54	27.12		1478.8							
	STO	00100	06.54	34.54	27.14	00.118	1478.3							
	OBS	00100	06.51	34.94	27.14		1478.2							
	STO	00125	06.36	34.58	27.19	00.141	1478.0							
	OBS	00125	06.36	34.58	27.20		1478.0							
	STO	00150	06.39	34.65	27.25	00.163	1478.6							
	OBS	C0150	06.39	34.65	27.25		1478.6							
	OBS	00175	06.38	34.69	27.28		1479.1							
	STC	00200	06.32	34.74	27.33	00.204	1479.3							
	OBS	00203	06.31	34.75	27.34		1479.3							
	OBS	00226	06.47	34.82	27.37		1480.4							
	OBS	00241	06.74	34.89	27.39		1481.9							
	OBS	00247	06.42	34.84	27.39		1480.6							
	STC	00250	06.42	34.84	27.39	00.242	1480.7							
	OBS	00253	06.42	34.84	27.39		1480.7							
	OBS	00257	06.36	34.84	27.40		1480.5							
	OBS	00260	06.38	34.84	27.40	.	1480.7							
	OBS	00270	06.11	34.80	27.40		1479.7							
	OBS	00276	05.95	34.81	27.43		1479.2							
	OBS	00277	05.97	34.87	27.47		1479.4							
	OBS	00281	06.30	34.91	27.46		1480.8							
	OBS	00289	06.52	34.95	27.47		1481.8							
	STO	00300	06.16	34.86	27.45	00.278	1480.5							
	OBS	00300	06.14	34.86	27.45		1480.4							
	OBS	00306	06.04	34.85	27.45		1480.1							
	OBS	00312	05.70	34.84	27.45		1478.8							
	OBS	00352	05.78	34.92	27.54		1479.5							
	STO	00400	05.30	34.91	27.59	00.340	1478.7							
	OBS	00401	05.29	34.91	27.59		1478.7							
	OBS	00453	05.00	34.94	27.65		1478.4							
	STO	00500	05.09	34.98	27.67	00.393	1479.6							
	OBS	00506	05.10	34.98	27.67		1479.7							
	OBS	00555	04.88	34.98	27.69		1479.7							
	STO	00600	04.77	34.98	27.71	00.441	1479.9							
	OBS	C0601	04.77	34.98	27.71		1480.0							
	OBS	00652	04.77	35.01	27.73		1480.9							
	STO	C0700	04.56	34.99	27.74	00.486	1480.7							
	OBS	00704	04.55	34.99	27.74		1480.8							
	OBS	00753	04.50	34.99	27.75		1481.4							
	STO	00800	04.42	34.99	27.75	00.530	1481.8							
	OBS	00803	04.41	34.99	27.76		1481.8							
	OBS	00852	04.29	34.97	27.75		1482.1							
	STO	00900	04.13	34.95	27.76	00.574	1482.2							
	OBS	00902	04.12	34.95	27.76		1482.2							
	OBS	00955	04.07	34.95	27.76		1482.9							
	STC	01000	03.99	34.94	27.76	00.618	1483.3							
	OBS	01007	03.98	34.94	27.76		1483.4							
	OBS	01046	03.93	34.94	27.77		1483.9							
	OBS	01060	03.93	34.94	27.77		1484.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCOC STATION DATA

FSFIC 31 8×63	YEAR 1975	BOTOP 03862	AIR TEMP 07.1	OIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CCNSEC 0386	MONTH 06	SFIP EV	WET BULB 06.9	23 0 2	WIND-SPD 16	TRACE CIR D	5 SQUARE 2
LAT 43 51.CN	DAY 04	DATA USE 1	BARCMETR 1010.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26
LONG 047 40.0W	HOUR 03.8	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 865	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	06.51	33.86	26.61	00.000	1475.6							
03.8	OBS	00003	06.51	33.86	26.61		1475.7							
	STD	C0010	06.51	33.86	26.61	00.014	1475.8							
	OBS	00015	06.51	33.86	26.61		1475.9							
	STD	00020	07.85	34.32	26.78	00.028	1481.8							
	OBS	00020	08.02	34.38	26.80		1482.5							
	STD	00030	08.10	34.41	26.82	00.041	1483.0							
	OBS	00030	08.10	34.41	26.82		1483.0							
	OBS	00047	08.23	34.45	26.83		1483.9							
	STD	00050	07.71	34.42	26.88	00.065	1481.9							
	OBS	00051	07.49	34.41	26.91		1481.0							
	OBS	00060	07.76	34.52	26.95		1482.4							
	OBS	00062	07.12	34.41	26.96		1479.8							
	OBS	00066	06.90	34.44	27.01		1479.0							
	OBS	00068	07.20	34.52	27.03		1480.3							
	OBS	00074	06.59	34.46	27.07		1477.9							
	STD	00075	06.53	34.46	27.08	00.092	1477.7							
	OBS	00076	06.47	34.47	27.09		1477.5							
	OBS	00081	06.69	34.57	27.14		1478.6							
	OBS	00095	06.65	34.54	27.13		1478.6							
	OBS	C0099	06.09	34.46	27.14		1476.4							
	STD	00100	06.06	34.46	27.14	00.117	1476.3							
	OBS	00102	05.99	34.47	27.16		1476.0							
	STD	00125	06.25	34.57	27.20	00.140	1477.6							
	OBS	00125	06.26	34.57	27.20		1477.6							
	OBS	00129	06.23	34.59	27.22		1477.6							
	STD	00150	06.34	34.64	27.25	00.162	1478.4							
	OBS	00152	06.35	34.65	27.25		1478.5							
	OBS	00175	06.20	34.65	27.30		1478.3							
	OBS	00182	06.11	34.65	27.31		1478.1							
	OBS	00196	06.26	34.73	27.33		1479.0							
	STD	00200	06.02	34.71	27.34	00.202	1478.1							
	OBS	00201	05.94	34.70	27.34		1477.8							
	OBS	00207	05.81	34.70	27.36		1477.3							
	OBS	00215	06.04	34.75	27.37		1478.4							
	OBS	00226	05.88	34.74	27.38		1478.0							
	OBS	00232	05.81	34.74	27.39		1477.8							
	OBS	00234	05.45	34.70	27.41		1476.3							
	STD	00250	05.14	34.68	27.43	00.239	1475.3							
	OBS	00253	05.09	34.68	27.43		1475.1							
	OBS	00268	04.88	34.68	27.46		1474.5							
	OBS	00274	04.68	34.68	27.48		1473.8							
	OBS	00276	04.68	34.68	27.48		1473.6							
	OBS	00285	04.25	34.65	27.50		1472.1							
	OBS	00297	04.36	34.69	27.52		1472.8							
	STD	C0300	04.48	34.70	27.52	00.271	1473.4							
	OBS	00302	04.57	34.71	27.52		1473.8							
	OBS	00316	04.67	34.75	27.54		1474.5							
	OBS	00319	04.29	34.71	27.55		1472.9							
	OBS	00354	04.20	34.74	27.58		1473.2							
	OBS	00369	04.84	34.68	27.62		1476.3							
	OBS	00384	04.72	34.85	27.61		1476.0							
	OBS	00392	04.45	34.82	27.62		1475.0							
	STD	C0400	04.40	34.82	27.62	00.328	1474.9							
	OBS	00401	04.39	34.82	27.62		1474.9							
	OBS	00434	04.38	34.84	27.64		1475.4							
	OBS	00439	04.63	34.90	27.66		1476.6							
	OBS	00451	04.57	34.92	27.68		1476.6							
	OBS	00456	04.77	34.95	27.68		1477.5							
	OBS	00475	04.81	34.95	27.68		1478.0							
	OBS	C0477	04.97	34.97	27.68		1478.7							
	STD	00500	04.81	34.96	27.69	00.377	1478.4							
	OBS	00505	04.81	34.96	27.69		1478.4							
	OBS	00550	04.70	34.97	27.71		1478.8							
	STD	00600	04.66	34.98	27.72	00.424	1479.5							
	OBS	00601	04.66	34.98	27.72		1479.5							
	OBS	00651	04.39	34.96	27.73		1479.2							
	STD	C0700	04.32	34.96	27.74	00.468	1479.7							
	OBS	00702	04.32	34.96	27.74		1479.7							
	OBS	00751	04.25	34.96	27.75		1480.3							
	STD	C0800	04.22	34.96	27.75	00.512	1480.9							
	OBS	00803	04.21	34.96	27.75		1481.0							
	OBS	00850	04.09	34.95	27.76		1481.2							
	STD	00900	04.01	34.94	27.76	00.556	1481.7							
	OBS	00906	04.00	34.94	27.76		1481.8							
	OBS	00951	03.92	34.94	27.76		1482.4							
	STD	C1000	03.90	34.93	27.76	00.599	1482.9							
	OBS	01003	03.89	34.93	27.76		1482.9							
	OBS	01014	03.84	34.92	27.76		1482.9							
	OBS	01050	03.85	34.93	27.77		1483.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 03451	AIR TEMP 07.8	DIR FGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0087	MONTH 06	SHIP EV	WET BULB 07.5	32 C 3	WIND-SPD 18	TRACE DIR D	5 SQUARE 2
LAT 43 50.5N	DAY 04	DATA USE 1	BARCMETR 1010.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 26
LONG 047 56.0W	HOUR 05.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 866	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.9	STD	CCC00	07.60	34.24	26.76	00.000	1480.4							
	OBS	00001	07.60	34.24	26.76		1480.4							
	STD	00010	07.60	34.24	26.76	00.013	1480.6							
	OBS	00011	07.60	34.24	26.76		1480.6							
	STD	00020	07.61	34.24	26.76	00.026	1480.8							
	OBS	00020	07.64	34.25	26.76		1480.9							
	OBS	00026	07.59	34.33	26.77		1482.5							
	STD	00030	07.57	34.35	26.79	00.039	1482.5							
	OBS	00032	07.56	34.38	26.80		1482.5							
	OBS	00034	08.44	34.51	26.84		1484.5							
	STD	00050	08.59	34.56	26.86	00.064	1485.4							
	OBS	00053	08.62	34.63	26.91		1485.7							
	OBS	00057	09.12	34.74	26.92		1487.8							
	OBS	00062	09.16	34.75	26.92		1488.0							
	OBS	00064	08.46	34.63	26.93		1485.3							
	OBS	00068	08.11	34.62	26.98		1483.9							
	STD	00075	07.73	34.58	27.00	00.092	1482.6							
	OBS	00076	07.67	34.57	27.01		1482.3							
	OBS	00078	07.55	34.56	27.02		1481.9							
	OBS	00085	06.54	34.46	27.08		1477.9							
	OBS	00093	06.35	34.45	27.09		1477.3							
	OBS	00095	05.65	34.41	27.13		1474.4							
	STD	00100	05.65	34.42	27.16	00.118	1474.5							
	OBS	00100	05.65	34.42	27.16		1474.6							
	OBS	00119	05.61	34.51	27.24		1474.8							
	OBS	00121	05.44	34.46	27.22		1474.1							
	STD	00125	05.57	34.50	27.23	00.140	1474.7							
	OBS	00125	05.58	34.50	27.23		1474.8							
	OBS	00131	05.56	34.50	27.23		1474.8							
	STD	00150	05.08	34.46	27.26	00.161	1473.1							
	OBS	00150	05.07	34.46	27.26		1473.1							
	OBS	00177	04.70	34.46	27.30		1472.0							
	OBS	00154	04.50	34.50	27.36		1471.5							
	OBS	00158	04.63	34.56	27.35		1472.2							
	STD	00200	04.95	34.62	27.40	00.200	1473.6							
	OBS	00203	05.41	34.70	27.41		1475.6							
	OBS	00222	05.04	34.63	27.40		1474.3							
	OBS	00226	04.97	34.63	27.41		1474.1							
	STD	00250	05.09	34.73	27.47	00.234	1475.1							
	OBS	00257	05.22	34.76	27.48		1475.8							
	OBS	00266	05.47	34.80	27.48		1477.1							
	OBS	00276	05.22	34.76	27.48		1476.1							
	STD	00300	04.84	34.73	27.50	00.266	1474.9							
	OBS	00302	04.81	34.73	27.50		1474.9							
	OBS	00357	04.75	34.80	27.57		1475.6							
	STD	00400	04.58	34.81	27.59	00.325	1475.6							
	OBS	00401	04.57	34.83	27.61		1475.6							
	OBS	00403	04.76	34.86	27.61		1476.5							
	OBS	00451	04.43	34.83	27.63		1475.9							
	STD	00500	04.17	34.86	27.68	00.376	1475.6							
	OBS	00504	04.16	34.86	27.68		1475.7							
	OBS	00552	04.11	34.89	27.71		1476.3							
	STD	00600	04.11	34.90	27.72	00.422	1477.1							
	OBS	00601	04.11	34.90	27.72		1477.1							
	OBS	00654	04.27	34.95	27.74		1478.7							
	STD	00700	04.22	34.95	27.74	00.466	1479.3							
	OBS	00702	04.21	34.95	27.75		1479.3							
	OBS	00750	03.58	34.92	27.75		1479.1							
	STD	00800	03.92	34.92	27.75	00.509	1479.6							
	OBS	00807	03.91	34.92	27.75		1479.7							
	OBS	00854	03.85	34.92	27.76		1480.3							
	STD	00900	03.84	34.92	27.76	00.552	1481.0							
	OBS	00902	03.84	34.92	27.76		1481.0							
	OBS	00951	03.80	34.92	27.76		1481.7							
	STD	01000	03.75	34.91	27.76	00.596	1482.2							
	OBS	01001	03.75	34.91	27.76		1482.3							
	OBS	01033	03.68	34.90	27.76		1482.5							
	OBS	01045	03.68	34.91	27.77		1482.7							

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Table 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FEFIC 31 8463	YEAR 1975	BOTOP 03437	AIR TEMP 07.5	DIA FGT PER	WIND-DIR 31	INST STO RECORDER	TEN SO 1306
CONSEC 0388	MONTH 06	SHIP EV	WET BULB 07.5	34 2 2	WIND-SPO 12	TRACE DIR 0	5 SQUARE 2
LAT 43 50.2N	DAY 04	DATA USE 1	BAPCMETR 1009.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 048 12.5W	HOUR 07.8	AREA 05	CLCUD 7/A	CL/7P	WEATHER X2	ORIG 011 867	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	08.30	34.43	26.80	00.000	1483.3							
07.8	OBS	00005	08.30	34.43	26.80		1483.4							
	STO	00010	08.30	34.43	26.80	00.013	1483.5							
	OBS	00015	08.30	34.44	26.81		1483.7							
	STO	00020	08.30	34.44	26.81	00.025	1483.7							
	STO	00030	08.29	34.46	26.82	00.038	1483.8							
	OBS	00038	08.29	34.47	26.83		1484.0							
	OBS	00045	08.28	34.48	26.85		1484.0							
	STO	00050	08.35	34.51	26.86	00.062	1484.4							
	OBS	00053	08.44	34.55	26.87		1484.9							
	OBS	00059	08.64	34.64	26.91		1485.9							
	OBS	00068	09.68	34.92	26.97		1490.2							
	OBS	00072	09.28	34.92	27.03		1488.8							
	OBS	00074	09.14	34.89	27.03		1488.3							
	STO	00075	08.50	34.79	27.05	00.090	1485.8							
	OBS	00076	07.70	34.66	27.07		1482.6							
	OBS	00091	06.44	34.45	27.08		1477.6							
	OBS	00093	06.45	34.59	27.19		1477.9							
	STO	00100	06.82	34.63	27.18	00.114	1479.5							
	OBS	00108	07.06	34.67	27.17		1480.6							
	OBS	00118	07.01	34.68	27.19		1480.8							
	STO	00125	06.83	34.67	27.20	00.137	1480.0							
	OBS	00133	06.61	34.65	27.22		1479.2							
	OBS	00140	07.22	34.80	27.25		1482.0							
	STO	00150	07.18	34.81	27.26	00.155	1482.0							
	OBS	00154	07.16	34.81	27.27		1482.0							
	OBS	00156	07.28	34.81	27.25		1482.5							
	OBS	00159	07.12	34.82	27.28		1481.9							
	OBS	00175	07.51	34.95	27.33		1483.8							
	OBS	00180	07.51	34.95	27.33		1483.9							
	OBS	00182	07.24	34.89	27.32		1482.8							
	OBS	00192	07.02	34.68	27.34		1482.1							
	OBS	00156	06.60	34.82	27.35		1480.5							
	STO	00200	06.46	34.80	27.36	00.199	1479.9							
	OBS	00203	06.33	34.79	27.36		1479.5							
	OBS	00215	06.02	34.82	27.43		1478.5							
	OBS	00217	06.29	34.86	27.43		1479.6							
	OBS	00226	06.04	34.80	27.41		1478.7							
	OBS	00230	05.40	34.71	27.42		1476.1							
	OBS	00247	04.82	34.68	27.46		1473.9							
	OBS	00249	04.77	34.67	27.46		1473.7							
	STO	00250	04.71	34.65	27.46	00.234	1473.4							
	OBS	00272	03.95	34.62	27.51		1470.6							
	OBS	00276	04.14	34.73	27.58		1471.6							
	OBS	00285	04.54	34.76	27.56		1473.5							
	OBS	00295	04.36	34.73	27.55		1472.9							
	STO	00300	04.48	34.80	27.55	00.264	1473.5							
	OBS	00300	04.50	34.80	27.55		1473.6							
	OBS	00304	04.56	34.78	27.55		1473.9							
	OBS	00314	03.77	34.70	27.59		1470.7							
	OBS	00325	03.86	34.75	27.62		1471.4							
	OBS	00333	04.04	34.77	27.62		1472.2							
	OBS	00338	04.51	34.85	27.62		1474.4							
	OBS	00352	04.45	34.83	27.62		1474.3							
	OBS	00365	04.27	34.81	27.63		1473.8							
	OBS	00367	03.64	34.73	27.63		1471.0							
	OBS	00373	03.57	34.72	27.63		1470.8							
	STO	00400	04.18	34.85	27.67	00.315	1474.0							
	OBS	00403	04.22	34.86	27.67		1474.2							
	OBS	00437	04.15	34.86	27.68		1474.5							
	OBS	00454	04.21	34.85	27.67		1475.0							
	OBS	00466	04.04	34.83	27.67		1474.5							
	STO	00500	04.05	34.87	27.70	00.361	1475.1							
	OBS	00503	04.05	34.87	27.70		1475.1							
	OBS	00550	04.12	34.92	27.73		1476.3							
	STO	00600	03.88	34.87	27.72	00.406	1476.1							
	OBS	00601	03.88	34.87	27.72		1476.1							
	OBS	00651	03.98	34.92	27.75		1477.4							
	STO	00700	04.13	34.95	27.75	00.449	1478.9							
	OBS	00704	04.14	34.95	27.75		1479.0							
	OBS	00750	03.95	34.92	27.75		1478.9							
	STO	00800	03.89	34.93	27.76	00.492	1479.5							
	OBS	00801	03.89	34.93	27.76		1479.5							
	OBS	00850	03.87	34.93	27.77		1480.3							
	STO	00900	03.89	34.93	27.76	00.534	1481.2							
	OBS	00900	03.89	34.93	27.76		1481.2							
	OBS	00951	03.71	34.91	27.77		1481.3							
	STO	01000	03.71	34.91	27.77	00.577	1482.1							
	OBS	01007	03.71	34.91	27.77		1482.2							
	OBS	01050	03.77	34.93	27.78		1483.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.— Continued

N O D C   S T A T I O N   D A T A

FEFID 31 8463	YEAR 1975	BOTOP 03076	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 33	INST STC RECORDER	TEN SO 1306
CONSEC 0089	MONTH 06	SHIP EV	WET BULB 04.5	35 2 3	WIND-SPD 13	TRACE DIR 0	S SQUARE 2
LAT 43 50.0N	DAY 04	DATA USE 1	BARCMETR 1012.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 148 16.0W	HOUR 09.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 868 15	1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.04	33.24	26.41	00.000	1464.7							
09.7	OBS	00005	04.04	33.24	26.41		1464.8							
	STD	00010	04.04	33.23	26.40	00.016	1464.8							
	OBS	00011	04.04	33.23	26.40		1464.8							
	STD	00020	03.92	33.24	26.42	00.033	1464.5							
	OBS	00020	03.91	33.24	26.42		1464.5							
	STD	00030	03.91	33.29	26.46	00.049	1464.7							
	OBS	00030	03.91	33.29	26.46		1464.7							
	STD	00050	03.89	33.43	26.57	00.079	1465.1							
	OBS	00051	03.89	33.43	26.57		1465.1							
	OBS	00055	03.80	33.43	26.58		1464.6							
	OBS	00059	03.32	33.47	26.66		1462.9							
	OBS	00068	03.05	33.48	26.68		1461.9							
	STD	00075	02.75	33.54	26.76	00.114	1461.0							
	OBS	00083	02.44	33.65	26.88		1459.7							
	OBS	00085	02.10	33.79	27.02		1458.5							
	OBS	00087	01.97	33.99	27.19		1458.2							
	OBS	00097	02.01	34.05	27.23		1458.6							
	STD	00100	02.18	34.11	27.27	00.140	1459.5							
	OBS	00108	02.59	34.24	27.34		1461.6							
	STD	00125	03.02	34.34	27.38	00.160	1463.8							
	OBS	00125	03.03	34.34	27.38		1463.9							
	STD	00150	03.19	34.44	27.44	00.177	1465.1							
	OBS	00152	03.20	34.45	27.45		1465.2							
	OBS	00175	03.26	34.50	27.48		1465.9							
	OBS	00188	03.10	34.52	27.51		1465.5							
	STD	00200	03.18	34.59	27.56	00.207	1466.1							
	OBS	00203	03.20	34.60	27.57		1466.3							
	OBS	00215	03.22	34.59	27.56		1466.5							
	OBS	00226	03.44	34.63	27.57		1467.7							
	STD	00250	02.90	34.58	27.58	00.234	1465.7							
	OBS	00251	02.89	34.58	27.58		1465.7							
	OBS	00266	02.94	34.62	27.61		1466.2							
	OBS	00274	03.90	34.75	27.62		1470.6							
	OBS	00277	03.98	34.78	27.63		1471.1							
	STD	00300	04.02	34.79	27.64	00.260	1471.6							
	OBS	00300	04.02	34.79	27.64		1471.6							
	OBS	00352	04.36	34.91	27.70		1474.0							
	STD	00400	04.42	34.94	27.71	00.306	1475.1							
	OBS	00403	04.42	34.94	27.71		1475.2							
	OBS	00453	04.38	34.95	27.73		1475.8							
	STD	00500	04.31	34.95	27.73	00.349	1476.3							
	OBS	00502	04.30	34.95	27.74		1476.3							
	OBS	00550	04.05	34.92	27.74		1476.0							
	STD	00600	04.04	34.93	27.75	00.391	1476.8							
	OBS	00601	04.04	34.93	27.75		1476.9							
	OBS	00651	04.09	34.98	27.77		1477.9							
	STD	00700	04.11	34.95	27.76	00.433	1478.8							
	OBS	00700	04.11	34.95	27.76		1478.8							
	OBS	00753	03.95	34.93	27.76		1479.0							
	STD	00800	04.03	34.95	27.76	00.475	1480.1							
	OBS	00801	04.03	34.95	27.76		1480.2							
	OBS	00852	03.94	34.94	27.77		1480.6							
	STD	00900	03.91	34.95	27.78	00.517	1481.3							
	OBS	00904	03.91	34.95	27.78		1481.4							
	OBS	00957	04.00	34.96	27.78		1482.6							
	STD	01000	04.00	34.96	27.78	00.559	1483.4							
	OBS	01001	04.00	34.96	27.78		1483.4							
	OBS	01052	03.98	34.96	27.78		1484.2							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIC 31 8463	YEAR 1975	BOTOP 02937	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 33	INST STO RECORDER	TEN SC 1306
CONSEC 0350	MONTH 06	SHIP EV	WET BULB 05.0	33 0 2	WIND-SPC 10	TRACE CIR 0	5 SQUARE 2
LAT 45 46.0N	DAY 04	DATA USE 1	BAROMETR 1012.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 048 38.5W	HOUR 11.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 869	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	AC2	NO3	SIO3	PH
	STO	C0000	05.02	33.50	26.51	00.000	1469.1							
11.4	OBS	00001	05.02	33.50	26.51		1469.1							
	STO	00010	05.02	33.50	26.51	00.015	1469.3							
	STO	00020	05.02	33.50	26.51	00.031	1469.4							
	OBS	00020	05.02	33.50	26.51		1469.4							
	STO	C0030	05.02	33.51	26.51	00.046	1469.6							
	OBS	00030	05.02	33.51	26.52		1469.6							
	STO	C0050	05.19	33.66	26.62	00.076	1470.8							
	OBS	00051	05.22	33.68	26.63		1471.0							
	OBS	00062	05.59	33.86	26.72		1472.9							
	OBS	C0072	04.55	33.80	26.80		1468.7							
	STO	00075	01.65	33.60	26.90	00.108	1456.0							
	OBS	0C076	00.97	33.57	26.92		1453.0							
	OBS	00079	00.85	33.72	27.05		1452.9							
	OBS	00085	01.13	33.85	27.13		1454.2							
	OBS	00093	01.29	33.95	27.20		1455.2							
	OBS	00095	01.85	34.08	27.27		1457.9							
	STO	C0100	02.39	34.14	27.27	00.133	1460.4							
	OBS	00100	02.46	34.15	27.28		1460.8							
	OBS	00118	02.33	34.23	27.35		1460.6							
	OBS	00121	02.23	34.22	27.35		1460.2							
	STO	00125	02.41	34.29	27.39	00.152	1461.1							
	OBS	00127	02.53	34.33	27.41		1461.8							
	OBS	00131	02.67	34.37	27.43		1462.5							
	OBS	00137	03.12	34.40	27.42		1464.6							
	STO	00150	03.29	34.44	27.43	00.169	1465.6							
	OBS	00150	03.30	34.44	27.43		1465.6							
	OBS	00154	03.28	34.47	27.46		1465.6							
	OBS	00161	02.25	34.38	27.46		1461.1							
	OBS	00177	02.87	34.50	27.52		1464.3							
	OBS	00182	02.92	34.51	27.52		1464.6							
	OBS	00194	03.29	34.57	27.54		1466.5							
	STO	00200	03.61	34.62	27.55	00.200	1468.0							
	OBS	00205	03.62	34.64	27.56		1468.2							
	OBS	00209	03.46	34.63	27.57		1467.5							
	OBS	00226	03.62	34.65	27.60		1468.6							
	OBS	00241	03.64	34.72	27.62		1468.9							
	STO	00250	03.44	34.68	27.61	00.227	1468.2							
	OBS	00255	03.37	34.67	27.61		1467.9							
	OBS	00268	03.35	34.71	27.64		1468.1							
	OBS	00277	03.05	34.68	27.65		1467.0							
	STO	00300	03.22	34.71	27.65	00.251	1468.1							
	OBS	C0300	03.23	34.71	27.65		1468.2							
	OBS	00306	03.35	34.73	27.66		1468.8							
	OBS	00312	03.14	34.72	27.67		1468.0							
	OBS	00325	03.19	34.71	27.66		1468.5							
	OBS	00344	03.68	34.80	27.68		1470.9							
	OBS	00348	04.05	34.87	27.70		1472.6							
	OBS	00352	04.04	34.86	27.69		1472.6							
	OBS	00373	04.11	34.88	27.70		1473.3							
	STO	00400	04.42	34.94	27.72	00.296	1475.1							
	OBS	00403	04.45	34.95	27.72		1475.3							
	OBS	00451	04.41	34.94	27.72		1475.9							
	STO	00500	04.47	34.97	27.73	00.339	1477.0							
	OBS	00500	04.47	34.97	27.73		1477.0							
	OBS	00557	04.53	34.99	27.74		1478.3							
	STO	00600	04.37	34.98	27.75	00.381	1478.3							
	OBS	00603	04.36	34.98	27.75		1478.3							
	OBS	00651	04.40	35.00	27.76		1479.3							
	STO	00700	04.45	35.00	27.76	00.423	1480.3							
	OBS	00700	04.45	35.00	27.76		1480.3							
	OBS	00750	04.36	34.99	27.76		1480.7							
	STO	00800	04.28	34.99	27.77	00.466	1481.2							
	OBS	00801	04.28	34.99	27.77		1481.3							
	OBS	00852	04.23	34.99	27.78		1481.9							
	STO	00900	04.18	34.98	27.77	00.508	1482.5							
	OBS	00902	04.18	34.98	27.77		1482.5							
	OBS	00957	04.12	34.98	27.78		1483.2							
	STO	01000	04.12	34.97	27.77	00.551	1483.5							
	OBS	01007	04.11	34.97	27.77		1483.9							
	OBS	01062	04.02	34.97	27.78		1484.5							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 B4E3	YEAR 1975	BOTDP 00312	AIR TEMP 06.2	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0051	MONTH 06	SHIP EV	WET BULB 05.0	05 2 3	WIND-SPD 11	TRACE CIR 0	S SQUARE 2
LAT 43 50.3N	DAY 04	DATA USE 1	BAROMETR 1011.2	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 2B
LONG 048 50.4W	HOUR 13.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 B70 05	1 SQUARE 3B

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	STD	00000	01.9T	33.30	26.64	00.000	1455.8							
	OBS	00000	01.97	33.30	26.64		1455.8							
	STD	00010	01.81	33.25	26.64	00.014	1455.2							
	OBS	00011	01.79	33.29	26.64		1455.2							
	STD	00020	01.72	33.30	26.85	00.028	1455.0							
	OBS	00022	01.71	33.34	26.69		1455.1							
	STD	00030	01.73	33.58	26.88	00.041	1455.6							
	OBS	00032	01.74	33.63	26.92		1455.8							
	OBS	00043	01.65	33.68	26.96		1455.6							
	OBS	00045	01.21	33.66	26.58		1453.7							
	STD	00050	01.17	33.67	26.99	00.064	1453.6							
	OBS	00057	00.81	33.68	27.02		1452.1							
	OBS	00059	00.65	33.72	27.06		1451.5							
	OBS	00062	00.63	33.71	27.05		1451.4							
	STD	00075	00.79	33.88	27.18	00.088	1452.6							
	OBS	00076	00.80	33.89	27.19		1452.6							
	STD	00100	01.02	33.97	27.24	00.110	1454.2							
	OBS	00102	01.04	33.98	27.25		1454.3							
	STD	00125	01.06	34.00	27.26	00.131	1454.8							
	OBS	00131	01.12	34.04	27.29		1455.2							
	STD	00150	01.48	34.24	27.42	00.150	1457.4							
	OBS	00152	01.51	34.25	27.43		1457.6							
	OBS	00175	01.69	34.29	27.45		1458.8							
	STD	00200	02.03	34.41	27.52	00.181	1460.9							
	OBS	00201	02.05	34.42	27.53		1461.0							
	OBS	00226	02.20	34.49	27.57		1462.2							
	STD	00250	02.22	34.49	27.57	00.209	1462.7							
	OBS	00257	02.23	34.51	27.58		1462.8							
	OBS	00274	02.37	34.59	27.64		1463.8							

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REFID 31 B4E3	YEAR 1975	BOTDP 00221	AIR TEMP 05.9	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0052	MONTH 06	SHIP EV	WET BULB 05.5	32 2 2	WIND-SPD 10	TRACE DIR 0	S SQUARE 2
LAT 43 45.8N	DAY 04	DATA USE 1	BAROMETR 1013.7	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 2B
LONG 049 05.5W	HOUR 14.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 B71	1 SQUARE 3S

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.7	STD	00000	01.56	32.94	26.38	00.000	1453.5							
	OBS	00000	01.56	32.94	26.38		1453.5							
	STD	00010	01.41	32.91	26.38	00.017	1452.9							
	OBS	00011	01.40	32.91	26.36		1452.9							
	OBS	00019	01.42	32.91	26.37		1453.2							
	STD	00020	01.35	32.92	26.38	00.033	1452.9							
	OBS	00022	01.21	32.92	26.38		1452.3							
	STD	00030	01.23	32.95	26.41	00.050	1452.5							
	OBS	00032	01.23	32.96	26.42		1452.6							
	STD	00050	01.18	33.02	26.47	00.082	1452.7							
	OBS	00051	01.12	33.02	26.47		1452.5							
	OBS	00055	00.90	33.02	26.48		1451.5							
	OBS	00057	00.24	33.09	26.58		1448.7							
	OBS	00059	- 0.23	33.11	26.61		1446.6							
	OBS	00062	- 0.41	33.23	26.72		1446.0							
	OBS	00072	00.26	33.27	26.72		1449.3							
	OBS	00074	00.10	33.35	26.79		1448.7							
	STD	00075	00.15	33.38	26.81	00.117	1448.9							
	OBS	00076	00.24	33.41	26.83		1449.4							
	OBS	00079	00.85	33.48	26.86		1452.4							
	OBS	00085	01.00	33.47	26.84		1453.1							
	OBS	00097	00.90	33.47	26.84		1452.9							
	STD	00100	00.31	33.47	26.88	00.147	1450.2							
	OBS	00106	- 0.40	33.51	26.94		1447.1							
	OBS	00116	00.15	33.68	27.04		1450.0							
	OBS	00119	00.21	33.76	27.12		1450.5							
	STD	00125	00.37	33.76	27.11	00.174	1451.3							
	OBS	00127	00.44	33.76	27.10		1451.7							
	STD	00150	00.66	33.91	27.21	00.197	1453.3							
	OBS	00150	00.67	33.91	27.21		1453.3							
	OBS	00175	01.07	34.10	27.34		1455.8							
	STD	00200	01.30	34.18	27.38	00.236	1457.3							
	OBS	00201	01.30	34.18	27.39		1457.4							
	OBS	00205	01.30	34.19	27.40		1457.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

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REFIO  31  8463      YEAR 1975      BOTOP 00713    AIR TEMP   08.5    DIR HGT PER    WIND-DIR 32    INST STO RECORDER      TEN SO 1306
CONSEC     0093      MONTH 06       SHIP EV        WET BULB   06.1     05  1   4     WIND-SPD 10    TRACE DIR      0       5 SQUARE  2
LAT    43 50.ON      DAY   04       DATA USE  1    BARDMETR 1011.2    SEA            WIND-FOR       DURATION      00.3     2 SQUARE 28
LONG  049 15.3W      HOUR 15.7      AREA    05     CLOUD T/A          CL/TR          WEATHER  A4    ORIG 011 872  14       1 SQUARE 39
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OXYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.26	32.86	26.28	00.000	1456.5							
15.7	OBS	00007	02.26	32.88	26.28		1456.6							
	STO	00010	02.19	32.85	26.26	00.018	1456.3							
	OBS	00017	01.94	32.84	26.27		1455.3							
	STO	00020	01.82	32.87	26.30	00.035	1454.9							
	OBS	00020	01.76	32.86	26.31		1454.8							
	STO	00030	01.74	32.89	26.32	00.052	1454.7							
	OBS	00032	01.52	32.90	26.35		1453.8							
	OBS	00034	01.28	32.91	26.37		1452.8							
	STO	00050	00.72	33.00	26.48	00.085	1450.6							
	OBS	00051	00.66	33.01	26.49		1450.4							
	OBS	00059	00.31	33.06	26.55		1449.0							
	STO	00075	- 0.27	33.18	26.66	00.122	1446.8							
	OBS	00075	- 0.36	33.20	26.65		1446.4							
	OBS	00091	- 0.42	33.20	26.70		1446.4							
	STO	00100	- 0.25	33.35	26.81	00.154	1447.5							
	OBS	00100	- 0.24	33.36	26.82		1447.6							
	OBS	00116	- 0.08	33.54	26.95		1448.8							
	OBS	00123	00.30	33.64	27.02		1450.8							
	STO	00125	00.27	33.64	27.02	00.183	1450.7							
	OBS	00125	00.26	33.64	27.02		1450.7							
	STO	00150	00.19	33.72	27.08	00.205	1450.9							
	OBS	00154	00.18	33.73	27.09		1450.5							
	OBS	00160	00.42	33.82	27.15		1452.6							
	STO	00200	00.89	34.02	27.26	00.253	1455.3							
	OBS	00203	00.95	34.04	27.30		1455.6							
	OBS	00226	01.13	34.09	27.33		1456.5							
	STO	00250	01.29	34.16	27.37	00.291	1456.1							
	OBS	00251	01.30	34.16	27.37		1456.1							
	OBS	00283	01.47	34.23	27.42		1459.5							
	STO	00300	01.54	34.26	27.44	00.326	1460.2							
	OBS	00302	01.56	34.27	27.44		1460.3							
	OBS	00350	02.30	34.48	27.55		1464.6							
	STO	00400	02.50	34.56	27.60	00.385	1466.4							
	OBS	00401	02.51	34.56	27.60		1466.5							
	OBS	00454	02.82	34.65	27.64		1468.9							
	STO	00500	03.09	34.71	27.67	00.435	1470.8							
	OBS	00502	03.10	34.71	27.67		1470.5							
	OBS	00552	03.21	34.74	27.68		1472.3							
	STO	00600	03.27	34.76	27.69	00.482	1473.3							
	OBS	00605	03.28	34.76	27.65		1473.5							
	OBS	00651	03.35	34.76	27.70		1474.6							
	STO	00700	03.35	34.77	27.69	00.528	1475.4							
	OBS	00702	03.35	34.77	27.69		1475.4							

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REFIO  31  8463      YEAR 1975      BOTOP 00105    AIR TEMP   05.7    DIR HGT PER    WIND-DIR 34    INST STO RECORDER      TEN SG 1306
CONSEC     0094      MONTH 06       SHIP EV        WET BULB   08.5     31  1   4     WIND-SPD 10    TRACE DIR      0       5 SQUARE  2
LAT    44 05.ON      DAY   04       DATA USE  1    BARDMETR 1011.2    SEA            WIND-FOR       DURATION      00.0     2 SQUARE 46
LONG  049 17.7W      HOUR 18.1      AREA    05     CLOUD T/A          CL/TR          WEATHER  A2    ORIG 011 873  12       1 SQUARE 49
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OXYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.44	32.86	26.25	00.000	1457.3							
18.1	OBS	00001	02.44	32.86	26.25		1457.3							
	STO	00010	02.40	32.86	26.25	00.018	1457.3							
	OBS	00013	02.26	32.87	26.27		1456.7							
	STO	00020	01.70	32.90	26.33	00.035	1454.4							
	OBS	00020	01.65	32.90	26.34		1454.2							
	STC	00030	01.54	32.96	26.39	00.052	1453.5							
	OBS	00032	01.51	32.97	26.40		1453.8							
	OBS	00034	01.12	33.07	26.51		1452.3							
	OBS	00045	00.79	33.14	26.59		1451.1							
	OBS	00049	00.36	33.18	26.64		1449.3							
	STO	00050	00.24	33.20	26.66	00.062	1448.7							
	OBS	00051	- 0.07	33.23	26.70		1447.4							
	OBS	00055	- 0.45	33.24	26.73		1445.7							
	STO	00075	- 0.49	33.29	26.77	00.118	1445.5							
	OBS	00076	- 0.51	33.30	26.78		1445.6							
	OBS	00079	- 0.59	33.32	26.80		1445.6							
	OBS	00093	- 0.57	33.36	26.83		1445.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00140	AIR TEMP 04.9	DIR HGT RER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1306
CONSEC 0055	MONTH 06	SHIP EV	WET BULB 04.5	35 1 2	WIND-SPD 09	TRACE DIR 0	5 SQUARE 2
LAT 44 05.CN	DAY 04	DATA USE 1	BARCMETR 1011.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 045 17.7W	HOUR 18.5	AREA 05	CLOUD 7/4	CL/TR	WEATHER X4	ORIG 011 874	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.36	32.81	26.29	00.000	1452.5							
18.5	OBS	00001	01.38	32.81	26.29		1452.5							
	OBS	00003	01.35	32.80	26.28		1452.4							
	OBS	00007	00.21	33.00	26.51		1447.6							
	STD	00010	00.12	33.04	26.54	00.016	1447.3							
	OBS	00013	00.04	33.07	26.57		1447.0							
	OBS	00019	00.04	33.05	26.55		1447.1							
	STD	00020	00.01	33.06	26.56	00.031	1447.0							
	OBS	00026	- 0.19	33.09	26.60		1446.2							
	OBS	00028	- 0.41	33.12	26.63		1445.3							
	STD	00030	- 0.43	33.14	26.64	00.046	1445.2							
	OBS	00030	- 0.44	33.14	26.65		1445.2							
	OBS	00038	- 0.50	33.14	26.65		1445.0							
	OBS	00045	- 0.89	33.15	26.67		1443.4							
	OBS	00047	- 1.02	33.25	26.76		1442.9							
	STD	00050	- 0.58	33.28	26.77	00.073	1445.1							
	OBS	00057	- 0.08	33.34	26.79		1447.6							
	OBS	00064	- 0.89	33.35	26.83		1443.9							
	OBS	00072	- 1.07	33.39	26.87		1443.3							
	STD	00075	- 1.00	33.47	26.94	00.103	1443.8							
	OBS	00076	- 0.87	33.48	26.94		1444.4							
	OBS	00078	- 0.50	33.45	26.90 *		1446.1							
	STD	00100	- 0.31	33.53	26.95	00.130	1447.5							
	OBS	00100	- 0.30	33.53	26.96		1447.5							
	STD	00125	- 0.23	33.53	26.95	00.158	1448.3							
	OBS	00125	- 0.23	33.53	26.95		1448.3							
	OBS	00135	- 0.23	33.52	26.94		1448.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 01365	AIR TEMP 04.7	OIP HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0096	MONTH 06	SHIP EV	WET BULB 04.1	31 2 2	WIND-SPD 07	TRACE DIR 0	5 SQUARE 2
LAT 44 08.0N	DAY 04	DATA USE 1	BARGMETR 1012.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 348 51.9W	HOUR 20.0	AREA 05	CLOUD T/A	CL/TA	WEATHER X4	ORIG 011 875 10	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PN
	STO	00000	01.74	33.08	26.46	00.000	1454.5						
20.0	OBS	00007	01.74	33.06	26.46		1454.6						
	STO	00010	01.72	33.05	26.46	00.016	1454.5						
	OBS	00011	01.71	33.05	26.45		1454.5						
	OBS	00015	01.69	33.06	26.46		1454.5						
	STO	00020	01.37	33.05	26.48	00.032	1453.1						
	OBS	C0020	01.31	33.05	26.48		1452.9						
	OBS	00026	00.95	33.01	26.47		1451.3						
	OBS	00028	00.33	33.03	26.52		1448.5						
	STO	00030	00.30	33.04	26.54	00.047	1448.5						
	OBS	00032	00.24	33.05	26.54		1448.2						
	OBS	00034	00.17	33.04	26.54		1447.9						
	OBS	00041	- 0.42	33.07	26.59		1445.4						
	OBS	00045	- 0.46	33.07	26.59		1445.2						
	OBS	00049	- 1.34	33.03	26.59		1441.1						
	STO	00050	- 1.37	33.06	26.61	00.076	1441.1						
	OBS	00051	- 1.44	33.13	26.67		1440.8						
	STO	00075	- 1.33	33.29	26.80	00.110	1442.0						
	OBS	00076	- 1.32	33.30	26.81		1442.1						
	OBS	00097	- 0.96	33.39	26.87		1444.2						
	STO	00100	- 0.86	33.43	26.90	00.140	1444.8						
	OBS	00102	- 0.76	33.47	26.93		1445.4						
	STO	00125	00.31	33.81	27.15	00.168	1451.1						
	OBS	00125	00.33	33.82	27.16		1451.2						
	OBS	00135	00.63	33.92	27.22		1452.9						
	OBS	00139	00.82	33.98	27.26		1453.9						
	STO	00150	00.90	34.01	27.28	00.187	1454.5						
	OBS	00150	00.90	34.01	27.28		1454.5						
	OBS	00175	01.19	34.13	27.36		1456.4						
	STO	C0200	01.37	34.22	27.42	00.224	1457.7						
	OBS	00203	01.38	34.23	27.42		1457.8						
	OBS	00226	C1.40	34.24	27.43		1458.3						
	STO	00250	01.47	34.26	27.44	00.258	1459.0						
	OBS	00251	01.47	34.26	27.44		1459.0						
	OBS	0C276	01.51	34.28	27.45		1459.7						
	OBS	00277	01.53	34.28	27.45		1459.8						
	OBS	00291	01.73	34.35	27.49		1461.0						
	STO	00300	01.78	34.36	27.50	00.289	1461.3						
	OBS	00302	01.80	34.37	27.50		1461.5						
	OBS	00338	02.62	34.65	27.66		1466.1						
	OBS	00354	02.72	34.66	27.66		1466.8						
	STO	C0400	02.91	34.72	27.69	00.342	1468.4						
	OBS	00401	02.92	34.72	27.69		1468.5						
	OBS	00453	03.30	34.80	27.72		1471.1						
	STO	00500	03.42	34.84	27.74	00.384	1472.4						
	OBS	00500	03.42	34.84	27.74		1472.4						
	OBS	C0550	03.44	34.85	27.75		1473.4						
	STO	00600	03.46	34.86	27.75	00.425	1474.3						
	OBS	00603	03.46	34.86	27.75		1474.3						
	OBS	00651	03.48	34.87	27.76		1475.2						
	STO	00700	03.48	34.86	27.75	00.466	1476.0						
	OBS	00702	03.48	34.86	27.75		1476.1						
	OBS	00751	03.46	34.87	27.76		1476.8						
	STO	00800	03.47	34.87	27.76	00.508	1477.7						
	OBS	00801	03.47	34.87	27.76		1477.7						
	OBS	00850	03.46	34.87	27.76		1478.5						
	STO	C0900	03.44	34.87	27.76	00.549	1479.2						
	OBS	00902	03.44	34.87	27.76		1479.2						
	OBS	00953	03.45	34.87	27.76		1480.1						
	STO	C1000	03.45	34.86	27.75	00.592	1480.9						
	OBS	01003	03.45	34.86	27.75		1481.0						
	OBS	01060	03.46	34.86	27.75		1482.0						

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

SEFID 31 8463	YEAR 1975	BOTOP 02430	AIR TEMP 05.2	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1306		
CONSEC 0097	MONTH 06	SHIP EV	WET BULB 04.9	36 2 4	WIND-SPD 10	TRACE DIR D	5 SQUARE 2		
LAT 44 04.5N	DAY 04	DATA USE 1	BARCMETR 1019.0	SEA	WIND-FOA	DURATION 00.4	2 SQUARE 46		
LONG 048 37.7W	HOUR 22.1	AREA 05	CLOUD T/A	CL/TR	WEATHER A4	ORIG 011 876	1 SQUARE 48		

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.47	33.34	26.44	00.000	1466.6							
22.1	OBS	00003	04.47	33.34	26.44		1466.7							
	STD	00010	04.47	33.34	26.44	00.016	1466.7							
	OBS	00011	04.45	33.34	26.44		1466.7							
	OBS	00015	04.38	33.34	26.45		1466.5							
	STD	00020	03.86	33.35	26.51	00.032	1464.4							
	OBS	00022	03.53	33.35	26.54		1463.0							
	OBS	00026	03.06	33.30	26.55		1461.0							
	STD	00030	02.87	33.33	26.59	00.047	1460.3							
	OBS	00034	02.48	33.36	26.64		1458.7							
	OBS	00036	02.26	33.37	26.67		1457.8							
	OBS	00040	02.41	33.43	26.71		1458.6							
	STD	00050	02.13	33.46	26.75	00.074	1457.6							
	OBS	00051	02.07	33.47	26.76		1457.3							
	OBS	00066	00.99	33.62	26.96		1453.0							
	STD	00075	01.29	33.68	26.98	00.104	1454.5							
	OBS	00076	01.33	33.69	26.99		1454.7							
	OBS	00078	00.65	33.72	27.06		1451.8							
	STD	00100	01.18	33.91	27.18	00.125	1454.8							
	OBS	00100	01.19	33.92	27.19		1454.8							
	OBS	00121	01.38	34.06	27.29		1456.2							
	STD	00125	01.57	34.15	27.34	00.145	1457.2							
	OBS	00125	01.60	34.16	27.35		1457.4							
	OBS	00137	02.15	34.20	27.34		1460.1							
	STD	00150	01.98	34.26	27.40	00.167	1459.6							
	OBS	00150	01.98	34.26	27.40		1459.6							
	OBS	00163	02.12	34.29	27.42		1460.5							
	OBS	00167	02.35	34.35	27.44		1461.7							
	OBS	00186	02.01	34.33	27.46		1460.5							
	STD	00200	01.92	34.37	27.50	00.200	1460.3							
	OBS	00201	01.92	34.38	27.50		1460.4							
	OBS	00226	02.19	34.49	27.57		1462.1							
	STD	00250	02.28	34.54	27.60	00.228	1463.0							
	OBS	00251	02.28	34.54	27.60		1463.0							
	OBS	00281	02.30	34.57	27.62		1463.6							
	STD	00300	02.33	34.58	27.63	00.252	1464.1							
	OBS	00304	02.35	34.59	27.64		1464.3							
	OBS	00350	02.60	34.69	27.68		1467.1							
	STD	00400	03.33	34.78	27.70	00.298	1470.3							
	OBS	00401	03.34	34.78	27.70		1470.4							
	OBS	00453	03.61	34.84	27.72		1472.5							
	STD	00500	03.64	34.85	27.73	00.341	1473.4							
	OBS	00502	03.64	34.85	27.73		1473.4							
	OBS	00550	03.58	34.85	27.73		1474.0							
	STD	00600	03.75	34.85	27.75	00.383	1475.5							
	OBS	00601	03.75	34.85	27.75		1475.6							
	OBS	00651	03.77	34.90	27.75		1476.5							
	STD	00700	03.71	34.89	27.75	00.425	1477.1							
	OBS	00702	03.71	34.89	27.75		1477.1							
	OBS	00753	03.68	34.89	27.75		1477.8							
	STD	00800	03.59	34.88	27.75	00.467	1478.2							
	OBS	00801	03.59	34.88	27.75		1478.2							
	OBS	00852	03.52	34.88	27.76		1478.8							
	STD	00900	03.52	34.88	27.76	00.509	1479.6							
	OBS	00904	03.52	34.88	27.76		1479.6							
	OBS	00955	03.53	34.88	27.76		1480.5							
	STD	01000	03.53	34.88	27.76	00.552	1481.3							
	OBS	01001	03.53	34.88	27.76		1481.3							
	OBS	01054	03.52	34.88	27.76		1482.1							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIC 31 8463	YEAR 1975	BOTOP 03235	AIR TEMP 05.3	DIR HGT PER	•IND-DIR 33	INST STC RECORDER	TEN SU 3306
CONSEC 0358	MONTH 06	SHIP EV	WET BULB 05.3	33 1 2	WIND-SPD 10	TRACE DIR 0	S SQUARE 2
LAT 44 06.1N	DAY 05	DATA USE 1	BARCMETR 1012.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 25.0W	HOUR 00.3	AREA 05	CLCUD 7/4	CL/7R	WEATHER 84	ORIG 011 877	1 SQUARE 48

CASTNUM/TIME	LVLTYP	CEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TCT P	NC2	NO3	SSO3	PH
	STO	00000	C8.23	34.32	26.73	0G.000	1482.9							
00.3	OBS	00005	08.23	34.32	26.73		1483.0							
	OBS	00009	08.24	34.33	26.73		1483.1							
	STO	00010	08.29	34.36	26.74	00.013	1483.4							
	OBS	00011	08.42	34.42	26.78		5484.0							
	STO	00020	08.41	34.47	26.82	00.026	1484.1							
	OBS	00022	08.39	34.48	26.83		1484.1							
	STO	00030	08.31	34.49	26.85	00.038	1483.9							
	OBS	00032	08.28	34.50	26.86		1483.9							
	OBS	00049	09.01	34.69	26.89		5487.2							
	STO	00050	09.02	34.70	26.90	00.062	1487.2							
	OBS	00055	09.09	34.75	26.93		5487.6							
	OBS	00059	09.06	34.77	26.95		1487.6							
	OBS	00070	07.67	34.61	27.04		1482.3							
	OBS	00072	08.67	34.50	27.11		1486.5							
	STO	00075	08.60	34.89	27.11	00.089	1486.3							
	OBS	00081	07.80	34.75	27.13		1483.2							
	OBS	00085	06.97	34.61	27.14		1479.8							
	OBS	00087	06.95	34.63	27.16		1479.8							
	OBS	00099	06.22	34.51	27.16		1476.9							
	STO	00100	06.21	34.51	27.16	00.113	1476.9							
	OBS	00102	06.20	34.52	27.17		1476.9							
	STO	0C125	06.07	34.56	27.22	00.135	1476.8							
	OBS	00127	06.06	34.57	27.23		1476.8							
	OBS	00144	06.35	34.66	27.26		1478.4							
	STO	00150	06.22	34.65	27.27	00.157	1478.0							
	OBS	00150	06.21	34.65	27.27		1477.9							
	OBS	00177	05.90	34.68	27.32		1477.1							
	OBS	00184	06.35	34.79	27.36		1479.2							
	OBS	00186	06.45	34.79	27.35		1479.7							
	STO	00200	06.11	34.67	27.30 •	00.196	1478.4							
	OBS	00203	05.86	34.67	27.33		1477.4							
	OBS	00207	05.54	34.68	27.38		1476.2							
	OBS	00211	05.31	34.63	27.37		1475.3							
	OBS	00215	05.00	34.63	27.40		1474.1							
	OBS	00226	04.54	34.59	27.42		1472.3							
	OBS	00249	04.45	34.65	27.48		1472.4							
	STO	00250	04.52	34.66	27.49	00.234	1472.7							
	OBS	00262	05.49	34.86	27.53		1477.2							
	OBS	00274	05.46	34.84	27.51		1477.2							
	OBS	00277	04.96	34.78	27.53		1475.1							
	OBS	00279	04.93	34.79	27.54		1475.0							
	STO	00300	05.38	34.89	27.56	00.264	1477.4							
	OBS	00300	05.40	34.89	27.56		1477.5							
	OBS	00317	04.86	34.84	27.59		1475.5							
	OBS	00354	04.59	34.87	27.64		1475.0							
	OBS	00357	04.86	34.89	27.63		1476.2							
	STO	00400	04.81	34.92	27.65	00.317	1476.7							
	OBS	00401	04.81	34.92	27.66		1476.7							
	OBS	00451	04.76	34.95	27.68		1477.4							
	STO	00500	04.82	34.99	27.71	00.365	1478.5							
	OBS	00500	04.82	34.99	27.71		1478.5							
	OBS	00550	04.63	34.99	27.73		1476.5							
	STO	00600	04.68	35.02	27.75	00.409	1479.6							
	OBS	00601	04.68	35.02	27.75		1479.6							
	OBS	C0652	04.56	35.01	27.75		1480.1							
	STO	00700	04.47	34.99	27.75	00.452	1480.4							
	OBS	00700	04.47	34.99	27.75		1480.4							
	OBS	00751	04.36	34.98	27.75		1480.8							
	STO	00800	04.36	35.00	27.77	00.494	1481.6							
	OBS	00803	04.36	35.00	27.77		1481.6							
	OBS	00858	04.29	34.99	27.77		1482.3							
	STO	C0900	04.20	34.98	27.77	00.537	1482.5							
	OBS	00904	04.19	34.98	27.77		1482.6							
	OBS	00942	04.14	34.98	27.78		1483.0							
	OBS	C0955	04.14	34.98	27.77		1483.2							
	OBS	00981	04.14	34.97	27.77		1483.3							
	STO	01000	04.13	34.98	27.78	00.580	1483.9							
	OBS	01000	04.13	34.98	27.78		1483.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

TYPID 51 0463	YEAR 1975	BDTGP 03450	AIR TEMP 06.9	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1306
CONSEC 0055	MONTH 06	SHIP EV	WET BULB 06.9	04 2 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 44 07.0N	DAY 05	DATA USE 1	BAROMETR 1005.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 049 11.0W	HOUR 02.1	AREA 05	CLOUD T/A	CL/TA	WEATHER A4	ORIG C11 878	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAVG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.25	34.29	26.70	00.000	1483.0							
02.1	OBS	C0000	08.25	34.29	26.70		1483.0							
	STD	00010	08.15	34.29	26.72	00.013	1482.7							
	OBS	00011	08.12	34.29	26.72		1482.6							
	STD	00020	08.05	34.30	26.73	00.027	1482.5							
	OBS	00020	08.05	34.30	26.74		1482.5							
	STD	C0030	08.05	34.39	26.81	00.040	1482.8							
	OBS	03030	08.05	34.39	26.81		1482.8							
	STD	00050	08.09	34.43	26.83	00.065	1483.4							
	OBS	00053	08.19	34.46	26.84		1483.8							
	OBS	00060	08.51	34.55	26.86		1485.3							
	OBS	C0066	08.24	34.62	26.96		1484.5							
	STD	00075	07.90	34.61	27.00	00.093	1483.3							
	OBS	00078	07.83	34.61	27.01		1483.0							
	OBS	00083	07.83	34.70	27.08		1483.3							
	OBS	00093	06.09	34.49	27.16		1476.3							
	OBS	0C097	06.49	34.54	27.15		1478.0							
	STD	00100	06.43	34.53	27.15	00.119	1477.8							
	OBS	C0100	06.42	34.53	27.15		1477.8							
	OBS	00116	06.86	34.67	27.20		1480.0							
	STD	00125	06.44	34.61	27.21	00.141	1478.4							
	OBS	00127	06.33	34.60	27.22		1478.0							
	OBS	03137	05.97	34.57	27.24		1476.8							
	OBS	00148	06.09	34.62	27.26		1477.4							
	STD	00150	05.74	34.56	27.26	00.163	1475.9							
	OBS	00159	05.65	34.54	27.25		1475.5							
	OBS	00175	05.81	34.62	27.30		1476.7							
	OBS	00180	05.93	34.67	27.32		1477.5							
	OBS	00154	05.40	34.61	27.34		1475.3							
	OBS	00156	05.38	34.66	27.38		1475.4							
	STD	00200	05.47	34.67	27.38	00.203	1475.8							
	OBS	00203	C5.61	34.68	27.37		1476.4							
	OBS	00226	06.06	34.84	27.44		1478.8							
	OBS	00232	06.18	34.86	27.44		1479.4							
	OBS	00236	05.92	34.80	27.43	..	1478.4							
	OBS	00247	05.38	34.72	27.43		1476.3							
	STD	00250	05.16	34.72	27.45	00.238	1475.5							
	OBS	00253	05.06	34.72	27.47		1475.1							
	OBS	00258	05.19	34.74	27.47		1475.7							
	OBS	00281	04.82	34.69	27.47		1474.5							
	OBS	00287	04.66	34.72	27.51		1474.0							
	STD	C0300	04.55	34.78	27.53	00.269	1475.4							
	OBS	00304	05.13	34.83	27.55		1476.3							
	OBS	00308	05.31	34.88	27.56		1477.2							
	OBS	03319	04.95	34.82	27.56		1476.0							
	OBS	00323	04.93	34.84	27.58		1475.8							
	OBS	00325	04.97	34.83	27.57		1476.0							
	OBS	00354	04.52	34.81	27.60		1474.6							
	STD	00400	04.48	34.86	27.64	00.324	1475.3							
	OBS	00401	04.48	34.86	27.64		1475.3							
	OBS	00456	04.61	34.94	27.67		1477.7							
	STD	C0500	04.66	34.95	27.70	00.373	1477.8							
	OBS	00504	04.65	34.95	27.70		1477.8							
	OBS	00552	04.57	34.96	27.71		1478.3							
	STD	00600	04.40	34.96	27.73	00.418	1478.4							
	OBS	00603	04.39	34.96	27.73		1478.4							
	OBS	00651	04.34	34.96	27.74		1479.0							
	STD	00700	04.11	34.95	27.74	00.461	1478.8							
	OBS	00700	04.11	34.93	27.74		1478.8							
	OBS	00755	04.02	34.93	27.75		1479.3							
	STD	00800	03.91	34.92	27.75	00.505	1479.6							
	OBS	00801	03.91	34.92	27.75		1479.6							
	OBS	00854	03.82	34.92	27.76		1480.1							
	STD	00900	03.80	34.92	27.76	00.547	1480.8							
	OBS	C0902	03.80	34.92	27.76		1480.8							
	OBS	00953	03.67	34.94	27.77		1482.0							
	STD	01000	03.70	34.91	27.77	00.590	1482.0							
	OBS	01001	03.70	34.91	27.77		1482.0							
	OBS	01058	03.72	34.92	27.77		1483.1							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

PSFIC 31 8463	YEAR 1975	OCTOP 03621	AIR TEMP 06.5	OIR HGT PER	WIND-DIR 36	INST STD RECORDER	TEN SO 1306
CONSEC 0100	MONTH 06	SHIP EV 1	WET BULB 06.5	36 0 2	WIND-SPD 09	TRACE OIR C	5 SQUARE 2
LAT 44 05.2N	DAY 05	DATA USE 1	BARCMETR 1008.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 57.0W	HOUR 03.8	AREA 05	CLOUD 7/4	CL/TR	WEATHER X4	ORIC 011 879	1 SQUARE 47

CASTNU#/TIME	LVLTYP	CEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.17	33.82	26.62	00.000	1474.2							
03.8	OBS	00001	06.17	33.82	26.62		1474.2							
	STD	00010	06.17	33.82	26.62	00.014	1474.4							
	OBS	00011	06.17	33.82	26.62		1474.4							
	STD	00020	06.12	33.80	26.61	00.029	1474.3							
	OBS	00020	06.11	33.80	26.61		1474.3							
	STD	00030	07.59	34.30	26.81	00.042	1480.9							
	OBS	00030	07.69	34.32	26.81		1481.3							
	OBS	00032	08.07	34.38	26.80		1482.9							
	OBS	00040	07.67	34.44	26.90		1481.6							
	OBS	00045	07.74	34.47	26.92		1482.0							
	STD	00050	08.24	34.59	26.94	00.066	1484.1							
	OBS	00055	08.53	34.67	26.95		1485.4							
	OBS	00064	08.14	34.61	26.97		1484.0							
	OBS	00068	06.72	34.36	26.97		1478.2							
	OBS	00070	06.42	34.43	27.07		1477.2							
	OBS	00074	06.43	34.42	27.06		1477.1							
	STD	00075	06.46	34.48	27.10	00.092	1477.5							
	OBS	00076	06.58	34.54	27.14		1478.0							
	OBS	00081	07.28	34.66	27.13		1481.0							
	OBS	00083	07.08	34.63	27.14		1480.3							
	OBS	00085	07.03	34.62	27.14		1480.1							
	OBS	00091	06.52	34.53	27.13		1478.0							
	STD	00100	06.44	34.58	27.18	00.116	1477.9							
	OBS	00100	06.44	34.58	27.18		1477.5							
	STD	00125	06.60	34.67	27.24	00.138	1479.1							
	OBS	00125	06.63	34.68	27.24		1479.3							
	STD	00150	06.45	34.69	27.27	00.160	1478.5							
	OBS	00150	06.45	34.69	27.27		1478.9							
	OBS	00163	06.40	34.69	27.28		1479.0							
	OBS	00165	06.17	34.68	27.30		1478.1							
	OBS	00171	06.30	34.74	27.33		1478.8							
	OBS	00175	06.63	34.79	27.32		1480.2							
	OBS	00182	06.67	34.81	27.34		1480.5							
	OBS	00194	06.33	34.76	27.34		1479.3							
	STD	00200	06.43	34.78	27.34	00.200	1479.8							
	OBS	00201	06.45	34.78	27.34		1479.9							
	OBS	00228	06.28	34.83	27.40		1479.7							
	OBS	00239	06.26	34.88	27.45		1479.9							
	OBS	00249	05.68	34.79	27.45		1477.6							
	STD	00250	05.69	34.79	27.45	00.236	1477.7							
	OBS	00257	05.75	34.83	27.47		1478.2							
	OBS	00264	06.30	34.95	27.50		1480.6							
	OBS	00270	06.49	34.98	27.49		1481.5							
	OBS	00277	06.40	34.94	27.47		1481.2							
	OBS	00293	05.99	34.90	27.50		1479.7							
	OBS	00297	05.25	34.76	27.45		1476.6							
	STD	00300	05.13	34.81	27.53	00.268	1476.2							
	OBS	00300	05.13	34.82	27.54		1476.3							
	OBS	00306	05.47	34.89	27.55		1477.8							
	OBS	00352	05.52	34.93	27.58		1478.8							
	STD	00400	04.54	34.87	27.60	00.325	1477.2							
	OBS	00401	04.91	34.87	27.60		1477.2							
	OBS	00458	04.84	34.93	27.68		1477.8							
	STD	00500	04.81	34.96	27.65	00.376	1478.4							
	OBS	00500	04.81	34.96	27.65		1478.4							
	OBS	00552	04.79	35.00	27.72		1479.2							
	STD	00600	04.65	35.00	27.73	00.425	1479.6							
	OBS	00605	04.66	35.00	27.73		1479.7							
	OBS	00654	04.54	34.99	27.74		1479.5							
	STD	00700	04.36	34.96	27.74	00.466	1479.9							
	OBS	00700	04.36	34.96	27.74		1479.5							
	OBS	00751	04.09	34.94	27.75		1479.6							
	STD	00800	04.14	34.96	27.76	00.510	1480.6							
	OBS	00805	04.14	34.96	27.76		1480.6							
	OBS	00852	04.00	34.95	27.77		1480.9							
	STD	00900	03.85	34.93	27.76	00.552	1481.2							
	OBS	00904	03.88	34.93	27.76		1481.2							
	OBS	00955	03.83	34.92	27.76		1481.6							
	OBS	00989	03.75	34.92	27.77		1482.1							
	STD	01000	03.78	34.91	27.76	00.595	1482.4							
	OBS	01001	03.78	34.91	27.76		1482.4							
	OBS	01047	03.75	34.92	27.77		1483.0							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

REFID 31 6463	YEAR 1979	BOTOP 03513	AIR TEMP 06.8	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SD 1306
CONSEC 0101	MONTH 06	SHIP EV	WET BULB 09.7	00 X X	WIND-SPD 07	TRACE DIR 0	5 SQUARE 2
LAT 44 21.0N	DAY 05	DATA USE 1	BARCMETR 1009.4	SEA	WIND-FOK	DURATION 00.4	2 SQUARE 46
LONG 047 56.8W	HOUR 05.8	AREA 05	CLCUD 7/4	CL/TR	WEATHER X5	ORIG 011 880	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.86	33.75	26.48	00.000	1476.9							
05.8	OBS	00001	06.86	33.75	26.48		1476.9							
	OBS	00003	06.86	33.75	26.48		1476.9							
	OBS	00009	06.51	33.85	26.60		1475.8							
	STD	00010	06.50	33.85	26.60	00.015	1475.7							
	OBS	00017	06.46	33.91	26.65		1475.8							
	STD	00020	06.50	33.93	26.66	00.029	1476.0							
	OBS	00022	06.67	33.98	26.68		1476.8							
	STD	00030	07.81	34.34	26.80	00.042	1481.8							
	OBS	00034	08.72	34.60	26.87		1485.7							
	OBS	00038	09.66	34.86	26.92		1489.6							
	OBS	00043	10.45	35.04	26.92		1492.8							
	OBS	00049	10.46	35.04	26.92		1492.9							
	STD	00050	10.50	35.05	26.92	00.067	1493.1							
	OBS	00055	10.84	35.13	26.92		1494.5							
	OBS	00070	11.25	35.26	26.55		1496.3							
	STD	00075	10.53	35.13	26.98	00.095	1493.7							
	OBS	00076	10.41	35.11	26.99		1493.3							
	OBS	00087	10.25	35.08	26.99		1492.8							
	OBS	00089	10.89	35.25	27.01		1495.4							
	OBS	00091	10.63	35.21	27.02		1494.4							
	OBS	00093	10.57	35.21	27.04		1494.2							
	OBS	00099	09.80	35.05	27.04		1491.3							
	STD	00100	09.80	35.05	27.05	00.122	1491.3							
	OBS	00106	09.75	35.06	27.06		1491.3							
	OBS	00119	09.57	35.07	27.10		1490.9							
	STD	00125	08.23	34.82	27.12	00.147	1485.6							
	OBS	00127	07.84	34.75	27.12		1484.1							
	OBS	00133	07.62	34.72	27.13		1483.3							
	OBS	00146	07.71	34.76	27.15		1483.9							
	STD	00150	07.54	34.71	27.14	00.171	1483.2							
	OBS	00150	07.52	34.71	27.14		1483.2							
	OBS	00177	07.31	34.73	27.18		1482.8							
	STD	00200	07.95	34.90	27.22	00.217	1485.9							
	OBS	00203	08.02	34.92	27.23		1486.2							
	OBS	00228	08.26	35.00	27.25		1487.7							
	OBS	00237	08.23	35.01	27.27		1487.7							
	OBS	00245	07.90	34.96	27.28		1486.6							
	STD	00250	07.89	34.96	27.28	00.261	1486.5							
	OBS	00258	07.81	34.96	27.29		1486.4							
	OBS	00276	07.46	34.95	27.33		1485.3							
	OBS	00283	07.31	34.93	27.34		1484.8							
	OBS	00285	07.01	34.85	27.32		1483.6							
	OBS	00298	06.50	34.81	27.36		1481.7							
	STD	00300	06.40	34.80	27.36	00.301	1481.3							
	OBS	00304	06.02	34.75	27.37		1479.8							
	OBS	00346	04.98	34.68	27.45		1476.2							
	OBS	00352	04.63	34.68	27.49		1474.5							
	OBS	00354	04.61	34.65	27.50		1474.8							
	OBS	00380	05.45	34.85	27.56		1479.0							
	STD	00400	05.32	34.88	27.57	00.369	1478.8							
	OBS	00445	05.02	34.87	27.59		1478.3							
	OBS	00464	05.48	34.97	27.62		1480.8							
	STD	00500	05.46	35.00	27.64	00.424	1481.1							
	OBS	00504	05.45	35.00	27.64		1481.2							
	OBS	00553	05.11	34.98	27.67		1480.6							
	STD	00600	04.89	35.00	27.71	00.474	1480.5							
	OBS	00603	04.88	35.00	27.71		1480.5							
	OBS	00636	04.84	35.01	27.72		1481.2							
	STD	00700	04.77	35.02	27.74	00.520	1481.7							
	OBS	00700	04.77	35.02	27.74		1481.7							
	OBS	00750	04.50	34.98	27.74		1481.3							
	STD	00800	04.32	34.97	27.75	00.564	1481.4							
	OBS	00801	04.32	34.97	27.75		1481.4							
	OBS	00852	04.25	34.96	27.75		1481.9							
	STD	00900	04.13	34.95	27.76	00.608	1482.2							
	OBS	00906	04.11	34.95	27.76		1482.2							
	OBS	00951	03.96	34.94	27.76		1482.4							
	STD	01000	03.80	34.91	27.76	00.652	1482.4							
	OBS	01007	03.78	34.91	27.76		1482.5							
	OBS	01058	03.73	34.91	27.76		1483.1							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCOC STATION DATA

REFIO 31 8463	YEAR 1975	BOTOP 03325	AIR TEMP 05.4	DIR HGT PER	WIND-DIR 36	INST STD RECORDER	TEN SQ 1306
CONSEC 0102	MONTH 06	SHIP EV	WET BULB 05.3	00 X X	WIND-SPD 08	TRACE DIR 0	S SQUARE 2
LAT 44 21.0N	DAY 05	DATA USE 1	BARCMETR 1009.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 56.8e	HOUR 06.8	AREA 05	CLCUD 7/A	CL/TP	WEATHER X2	ORIG 011 881	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.18	33.99	26.62	00.000	1478.4							
06.8	OBS	00001	07.18	33.99	26.62		1478.5							
	OBS	00005	07.19	33.98	26.61		1478.6							
	OBS	00007	07.19	33.99	26.62		1478.6							
	STD	00010	07.07	34.01	26.65	00.014	1478.2							
	OBS	00017	06.88	34.08	26.73		1477.7							
	STD	00020	06.91	34.13	26.77	00.028	1477.9							
	OBS	00026	06.97	34.24	26.85		1478.4							
	OBS	00026	08.20	34.50	26.87		1483.5							
	STD	00030	08.32	34.55	26.89	00.040	1484.0							
	OBS	00032	08.60	34.63	26.91		1485.3							
	OBS	00038	09.65	34.85	26.91		1489.5							
	STD	00050	10.55	35.09	26.94	00.063	1493.4							
	OBS	00051	10.63	35.11	26.95		1493.6							
	OBS	00066	10.16	35.15	27.06		1492.3							
	OBS	00070	10.18	35.18	27.08		1492.4							
	OBS	00072	09.96	35.17	27.11		1491.6							
	STD	00075	09.97	35.16	27.10	00.090	1491.7							
	OBS	00076	09.98	35.16	27.10		1491.8							
	OBS	00083	08.55	34.86	27.12		1486.2							
	OBS	00085	08.51	34.87	27.11		1486.1							
	STD	00100	08.26	34.86	27.14	00.114	1485.4							
	OBS	00102	08.15	34.84	27.15		1485.0							
	OBS	00108	07.81	34.79	27.16		1483.7							
	STD	00125	07.72	34.83	27.20	00.137	1483.7							
	OBS	00125	07.72	34.83	27.20		1483.7							
	OBS	00148	07.99	34.91	27.22		1485.2							
	STD	00150	08.17	34.96	27.23	00.155	1486.0							
	OBS	00152	08.38	35.01	27.24		1486.9							
	OBS	00163	08.32	34.98	27.23		1486.8							
	OBS	00180	08.28	35.02	27.27		1487.0							
	OBS	00188	08.28	35.01	27.26		1487.1							
	OBS	00196	07.24	34.84	27.28		1483.0							
	STD	00200	07.16	34.82	27.27	00.202	1482.7							
	OBS	00201	07.12	34.81	27.27		1482.6							
	OBS	00226	06.60	34.81	27.34		1480.5							
	OBS	00243	05.75	34.72	27.38		1477.7							
	STD	00250	05.49	34.72	27.41	00.241	1476.7							
	OBS	00257	05.32	34.71	27.43		1476.2							
	OBS	00276	05.50	34.80	27.48		1477.3							
	OBS	00264	05.72	34.72 P	27.390e										
	STD	00300	05.77	34.86	27.49	00.274	1478.9							
	OBS	00302	05.77	34.86	27.49		1478.5							
	OBS	00312	05.67	34.86	27.50		1476.7							
	OBS	00317	05.13	34.81	27.53		1476.5							
	OBS	00352	04.54	34.76	27.56		1474.6							
	OBS	00380	04.89	34.87	27.61		1476.7							
	OBS	00392	05.34	34.96	27.62		1478.8							
	STD	00400	05.55	35.02	27.65	00.332	1479.5							
	OBS	00401	05.58	35.03	27.65		1480.0							
	OBS	00422	05.68	35.01	27.62 •		1480.8							
	OBS	00455	05.07	34.96	27.66		1479.5							
	STD	00500	04.99	34.96	27.67	00.382	1479.2							
	OBS	00500	04.93	34.96	27.67		1478.9							
	OBS	00550	04.60	34.95	27.70		1478.4							
	STD	00600	04.59	34.98	27.73	00.429	1479.2							
	OBS	00603	04.57	34.98	27.73		1479.2							
	OBS	00651	04.14	34.92	27.73		1478.1							
	OBS	00696	04.11	34.93	27.74		1478.7							
	STD	00700	04.11	34.92	27.74	00.473	1478.8							
	OBS	00702	04.11	34.92	27.73		1478.8							
	OBS	00751	04.42	34.99	27.75		1481.0							
	STD	00800	04.30	34.98	27.76	00.517	1481.3							
	OBS	00800	04.30	34.98	27.76		1481.3							
	OBS	00805	04.25	34.98	27.77		1481.2							
	OBS	00828	04.27	34.99	27.77		1481.7							
	STD	00900	04.16	34.98	27.77	00.560	1482.4							
	OBS	00900	04.16	34.98	27.77		1482.4							
	STD	01000	03.88	34.94	27.77	00.602	1482.8							
	OBS	01000	03.88	34.94	27.77		1482.8							
	OBS	01050	03.80	34.94	27.78		1483.3							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 03211	AIR TEMP 05.2	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SG 1306
CONSEC 0103	MONTH 06	SHIP EV	WET BULB 05.0	02 0 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 44 20.0N	DAY 05	DATA USE 1	BAROMETR 1005.1	SEA	WIND-FOR	DURATICA 00.4	2 SQUARE 48
LONG 048 14.5W	HOUR 05.5	AREA 05	CLOUD 7/A	CL/TR	WEATHER A2	ORIG 011 882 13	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	AO2	NO3	SIO3	PH
	STD	00000	08.17	34.34	26.75	00.000	1482.7							
09.5	OBS	00005	08.17	34.34	26.75		1482.8							
	STD	00010	08.18	34.36	26.76	00.013	1482.9							
	STD	00020	08.21	34.40	26.79	00.026	1483.3							
	OBS	00020	08.21	34.40	26.79		1483.3							
	STD	00030	08.33	34.54	26.89	00.038	1484.1							
	OBS	00032	08.42	34.58	26.90		1484.5							
	OBS	00043	09.23	34.78	26.91		1488.0							
	STD	00050	09.94	34.89	26.90	00.062	1490.8							
	OBS	00053	10.17	34.94	26.90		1491.8							
	OBS	00062	10.30	35.01	26.93		1492.5							
	OBS	00070	10.48	35.07	26.94		1493.4							
	STD	00075	10.25	35.11	27.01	00.090	1492.7							
	OBS	00076	10.20	35.12	27.03		1492.5							
	OBS	00079	10.07	35.07	27.01		1492.0							
	OBS	00097	09.07	34.96	27.10		1488.5							
	STD	00100	08.83	34.93	27.11	00.115	1487.6							
	OBS	00102	08.60	34.90	27.12		1486.8							
	OBS	00104	07.90	34.79	27.14		1484.0							
	OBS	00116	07.56	34.78	27.19		1482.8							
	STD	00125	07.21	34.72	27.19	00.139	1481.6							
	OBS	00125	07.10	34.70	27.19		1481.1							
	OBS	00127	06.67	34.62	27.19		1479.3							
	OBS	00129	06.83	34.68	27.21		1480.1							
	OBS	00133	06.69	34.64	27.20		1479.5							
	OBS	00139	04.21	34.30	27.23		1465.1							
	OBS	00144	04.23	34.32	27.24		1465.3							
	STD	00150	04.00	34.30	27.25	00.161	1464.4							
	OBS	00154	03.82	34.27	27.25		1463.7							
	OBS	00156	03.43	34.25	27.27		1466.0							
	OBS	00163	03.44	34.26	27.28		1466.2							
	OBS	00171	02.42	34.22	27.34		1461.5							
	OBS	00173	02.43	34.23	27.34		1461.5							
	OBS	00178	02.26	34.22	27.35		1461.3							
	OBS	00196	02.97	34.40	27.43		1464.9							
	STD	00200	02.76	34.38	27.44	00.199	1464.0							
	OBS	00201	02.67	34.38	27.44		1463.7							
	OBS	00226	02.32	34.44	27.52		1462.6							
	OBS	00243	02.46	34.48	27.54		1463.6							
	OBS	00249	03.14	34.55	27.57		1466.8							
	STD	00250	03.14	34.59	27.56	00.229	1466.8							
	OBS	00253	03.16	34.58	27.56		1466.9							
	OBS	00262	03.19	34.59	27.56		1467.2							
	OBS	00276	03.66	34.68	27.59		1469.5							
	OBS	00283	03.54	34.68	27.60		1469.2							
	STD	00300	03.91	34.73	27.61	00.256	1471.1							
	OBS	00304	04.02	34.75	27.61		1471.6							
	OBS	00312	03.77	34.72	27.61		1470.7							
	OBS	00325	03.41	34.69	27.62		1469.3							
	OBS	00338	02.76	34.61	27.62		1466.6							
	OBS	00352	02.84	34.67	27.66		1467.3							
	OBS	00369	03.52	34.75	27.69		1470.6							
	STD	00400	04.38	34.93	27.72	00.303	1474.9							
	OBS	00401	04.41	34.94	27.72		1475.1							
	OBS	00451	04.62	34.97	27.72		1476.8							
	STD	00500	04.68	35.00	27.73	00.346	1477.9							
	OBS	00500	04.68	35.00	27.73		1477.9							
	OBS	00552	04.70	35.02	27.75		1478.9							
	STD	00600	04.61	35.02	27.76	00.389	1479.3							
	OBS	00603	04.61	35.02	27.76		1479.4							
	OBS	00656	04.57	35.02	27.76		1480.1							
	STD	00700	04.45	35.00	27.76	00.431	1480.3							
	OBS	00700	04.45	35.00	27.76		1480.3							
	OBS	00750	04.38	35.00	27.77		1480.8							
	STD	00800	04.31	35.00	27.77	00.473	1481.4							
	OBS	00805	04.30	35.00	27.76		1481.4							
	OBS	00852	04.25	34.99	27.77		1482.0							
	STD	00900	04.18	34.99	27.78	00.515	1482.5							
	OBS	00902	04.18	34.99	27.78		1482.5							
	OBS	00951	04.12	34.99	27.79		1483.1							
	STD	01000	04.08	34.97	27.78	00.557	1483.7							
	OBS	01005	04.07	34.97	27.78		1483.7							
	OBS	01050	04.02	34.97	27.78		1484.3							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8465	YEAR 1975	BOTOP 02560	AIR TEMP 04.0	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SO 1306
CONSEC 0104	MONTH 06	SHIP EV	WET BULB 04.0	02 0 2	WIND-SPD 10	TRACE DIR 0	S SQUARE 2
LAT 44 20.5N	DAY 05	DATA USE 1	BARCMETR 1008.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 38.0W	HOUR	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 883 12	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.19	33.53	26.72	00.000	1461.4							
	OBS	00005	03.19	33.53	26.72		1461.5							
	STD	00010	03.20	33.59	26.77	00.013	1461.7							
	OBS	00013	03.21	33.62	26.79		1461.9							
	OBS	00015	02.96	33.63	26.82		1460.8							
	STD	00020	02.92	33.67	26.85	00.026	1460.8							
	STD	00030	02.84	33.75	26.92	00.037	1460.7							
	OBS	00030	02.84	33.75	26.92		1460.7							
	STD	00050	02.74	33.87	27.03	00.059	1460.8							
	OBS	00057	02.70	33.96	27.10		1460.8							
	OBS	00060	02.13	34.02	27.20		1458.5							
	OBS	00068	01.77	34.11	27.30		1457.1							
	STD	00075	01.67	34.18	27.37	00.081	1456.9							
	OBS	00079	01.65	34.22	27.40		1457.0							
	STD	00100	01.80	34.30	27.44	00.099	1458.1							
	OBS	00100	01.81	34.30	27.45		1458.1							
	STD	00125	02.03	34.44	27.54	00.114	1459.7							
	OBS	00125	02.03	34.44	27.54		1459.7							
	STD	00150	02.22	34.49	27.57	00.127	1461.0							
	OBS	00150	02.22	34.49	27.57		1461.0							
	OBS	00175	02.53	34.61	27.64		1462.9							
	STD	00200	02.67	34.63	27.64	00.153	1464.0							
	OBS	00201	02.67	34.63	27.64		1464.0							
	OBS	00226	02.62	34.64	27.65		1464.2							
	STD	00250	02.66	34.68	27.68	00.175	1464.8							
	OBS	00251	02.67	34.68	27.68		1464.9							
	OBS	00274	02.82	34.70	27.68		1465.9							
	OBS	00283	02.84	34.72	27.70		1466.2							
	OBS	00289	02.91	34.72	27.69		1466.6							
	OBS	00298	03.19	34.78	27.71		1468.0							
	STD	00300	03.22	34.78	27.71	00.197	1468.2							
	OBS	00300	03.24	34.78	27.71		1468.3							
	OBS	00350	03.52	34.83	27.72		1470.4							
	STD	00400	03.85	34.87	27.74	00.238	1471.8							
	OBS	00401	03.86	34.87	27.74		1471.9							
	OBS	00453	03.93	34.91	27.74		1473.9							
	STD	00500	03.95	34.92	27.75	00.278	1474.8							
	OBS	00502	03.95	34.92	27.75		1474.8							
	OBS	00550	03.87	34.92	27.76		1475.3							
	STD	00600	03.82	34.92	27.76	00.318	1475.9							
	OBS	00601	03.82	34.92	27.76		1475.9							
	OBS	00652	03.71	34.91	27.77		1476.3							
	STD	00700	03.66	34.90	27.76	00.355	1476.9							
	OBS	00704	03.66	34.90	27.76		1476.9							
	OBS	00753	03.64	34.90	27.77		1477.7							
	STD	00800	03.64	34.91	27.77	00.395	1478.4							
	OBS	00809	03.64	34.91	27.77		1478.6							
	OBS	00858	03.64	34.91	27.77		1479.4							
	STD	00900	03.64	34.91	27.77	00.440	1480.1							
	OBS	00902	03.64	34.91	27.77		1480.1							
	OBS	00951	03.61	34.91	27.78		1480.8							
	STD	01000	03.57	34.90	27.77	00.482	1481.5							
	OBS	01003	03.57	34.90	27.77		1481.5							
	OBS	01054	03.55	34.90	27.77		1482.3							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 0032S	AIR TEMP 06.9	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SO 1306
CONSEC 0105	MONTH 06	SHIP EV	WET BULB 06.0	03 1 2	WIND-SPD 09	TRACE 07R 0	5 SQUARE 2
LAT 44 20.0N	DAY 05	DATA USE 1	BARCMETR 1008.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 048 51.0N	HOUR 13.0	AREA 05	CLCUD T/A	CL/TR	WEATHER A4	ORIG C11 884 10	1 SQUARE 48

CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.48	33.27	26.57	00.000	1458.0							
13.0	OBS	00003	02.48	33.27	26.57		1458.1							
	STD	00010	02.29	33.37	26.67	00.014	1457.5							
	OBS	00011	02.26	33.39	26.69		1457.4							
	OBS	00017	02.23	33.42	26.71		1457.4							
	OBS	00019	00.81	33.27	26.69		1450.5							
	STD	00020	00.78	33.29	26.70	00.028	1450.8							
	OBS	00024	00.65	33.33	26.75		1450.3							
	OBS	00026	00.26	33.33	26.77		1448.6							
	STD	00030	00.32	33.35	26.78	00.041	1449.0							
	OBS	00036	00.41	33.38	26.80		1449.5							
	OBS	00047	00.47	33.39	26.81		1450.0							
	STD	00050	00.78	33.47	26.85	00.066	1451.5							
	OBS	00053	01.03	33.54	26.89		1452.8							
	OBS	00057	01.08	33.55	26.90		1453.1							
	OBS	00060	00.69	33.51	26.89		1451.4							
	OBS	00064	00.49	33.55	26.93		1450.6							
	OBS	00066	00.78	33.63	26.98		1452.0							
	OBS	00070	00.31	33.66	27.03		1450.0							
	STD	00075	01.06	33.76	27.07	00.093	1453.6							
	OBS	00078	01.45	33.82	27.09		1455.5							
	STD	00100	01.70	33.95	27.17	00.117	1457.1							
	OBS	00102	01.73	34.01	27.22		1457.4							
	OBS	00104	02.04	34.06	27.24		1458.9							
	OBS	00110	01.74	34.07	27.27		1457.7							
	OBS	00116	01.83	34.11	27.29		1458.2							
	STD	00125	01.65	34.12	27.32	00.138	1457.6							
	OBS	00125	01.64	34.14	27.33		1457.6							
	OBS	00127	01.59	34.22	27.40		1457.5							
	STD	00150	01.98	34.33	27.46	00.156	1459.7							
	OBS	00150	01.99	34.33	27.46		1459.8							
	OBS	00177	02.19	34.43	27.52		1461.2							
	STD	00200	02.27	34.52	27.58	00.185	1462.1							
	OBS	00203	02.30	34.53	27.59		1462.3							
	OBS	00230	02.60	34.64	27.66	..	1464.2							
	STD	00250	02.89	34.71	27.65	00.205	1465.9							
	OBS	00253	02.92	34.72	27.69		1466.1							
	OBS	00281	03.00	34.74	27.70		1466.9							
	STD	00300	03.02	34.75	27.70	00.230	1467.3							
	OBS	00304	03.02	34.75	27.71		1467.4							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00075	AIR TEMP 04.8	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1306
CONSEC 0106	MONTH 06	SHIP EV	WET BULB 04.0	99 X X	WIND-SPD 10	TRACE CIR 0	5 SQUARE 2
LAT 44 20.0N	DAY 05	DATA USE 1	BARCMETR 1006.2	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 08.0W	HOUR 14.7	AREA 05	CLOUD T/A	CL/TR	WEATHER A4	ORIG 011 885 15	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.55	32.97	26.37	00.000	1455.3							
14.7	OBS	00001	01.55	32.97	26.37		1455.3							
	OBS	00005	01.85	32.98	26.39		1454.9							
	OBS	00007	01.45	32.93	26.38		1453.1							
	STD	00010	01.39	32.96	26.41	00.016	1452.5							
	OBS	00011	01.35	32.97	26.42		1452.8							
	OBS	00017	01.10	32.94	26.41		1451.7							
	OBS	00019	00.53	32.99	26.48		1449.2							
	STD	00020	00.41	33.02	26.51	00.032	1448.7							
	OBS	00020	00.31	33.04	26.53		1448.3							
	STD	00030	00.06	33.05	26.55	00.047	1447.3							
	OBS	00030	00.02	33.06	26.56		1447.2							
	OBS	00034	- 0.33	33.16	26.66		1445.8							
	STD	00050	- 0.40	33.15	26.65	00.076	1445.7							
	OBS	00051	- 0.41	33.15	26.65		1445.7							
	OBS	00060	- 0.47	33.16	26.66		1445.6							
	OBS	00068	- 0.45	33.17	26.67		1445.8							

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REFID 31 8463	YEAR 1975	BOTOP 00053	AIR TEMP 07.0	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1306
CONSEC 0107	MONTH 06	SHIP EV	WET BULB 05.0	02 1 5	WIND-SPD 12	TRACE CIR 0	5 SQUARE 2
LAT 44 23.0N	DAY 05	DATA USE 1	BARCMETR 1004.8	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 049 13.0W	HOUR 15.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 886 11	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.15	32.99	26.37	00.000	1456.2							
15.3	OBS	00001	02.15	32.99	26.37		1456.2							
	STD	00010	02.01	32.96	26.36	00.017	1455.7							
	OBS	00011	01.89	32.96	26.37		1455.2							
	OBS	00015	01.43	32.95	26.39		1453.2							
	OBS	00017	00.81	33.05	26.51		1450.6							
	OBS	00019	00.53	33.06	26.53		1451.2							
	STD	00020	01.13	33.09	26.52	00.033	1452.1							
	OBS	00020	01.25	33.09	26.52		1452.7							
	OBS	00022	01.33	33.09	26.51		1452.9							
	OBS	00026	00.66	33.09	26.55		1450.1							
	STD	00030	00.65	33.10	26.56	00.048	1450.1							
	OBS	00030	00.65	33.10	26.56		1450.1							
	OBS	00034	00.66	33.08	26.55		1450.2							
	OBS	00043	00.15	33.14	26.62		1448.1							

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REFID 31 8463	YEAR 1975	BOTOP 00062	AIR TEMP 07.6	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1306
CONSEC 0108	MONTH 06	SHIP EV	WET BULB 05.7	99 X X	WIND-SPD 09	TRACE CIR 0	5 SQUARE 2
LAT 44 35.0N	DAY 05	DATA USE 1	BAROMETR 1004.8	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 049 13.0W	HOUR 17.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 887	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.00	32.94	26.35	00.000	1455.4							
17.1	OBS	00001	02.00	32.94	26.35		1455.5							
	OBS	00005	01.92	32.90	26.32 *		1455.1							
	STD	00010	01.71	32.94	26.37	00.017	1454.3							
	OBS	00011	01.63	32.95	26.38		1454.0							
	OBS	00015	01.41	32.96	26.40		1453.1							
	STD	00020	00.99	32.96	26.43	00.033	1451.3							
	OBS	00022	00.68	32.96	26.45		1449.9							
	OBS	00024	00.44	32.99	26.49		1448.9							
	STD	00030	00.42	32.98	26.48	00.049	1448.9							
	OBS	00030	00.42	32.98	26.48		1448.9							
	STD	00050	- 0.03	33.09	26.59	00.075	1447.3							
	OBS	00051	- 0.05	33.09	26.59		1447.3							
	OBS	00055	- 0.06	33.10	26.60		1447.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIO 31 B463	YEAR 1975	BOTOP 00520	AIR TEMP 10.3	DIR HGT PER	WIND-DIR 02	INST STO RECORDER	TEN 50 1306
CONSEC 0109	MONTH 06	SHIP EV	WET BULB 06.1	03 1 5	WIND-SPD 11	TRACE DIR 0	5 SQUARE 2
LAT 44 85.0N	DAY 05	DAI6 USE 1	BAROMETR 1004.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 049 35.2W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORTG 011 888 12	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	00.75	32.88	26.38	00.000	1449.8							
18.0	OBS	00003	00.75	32.88	26.38		1449.8							
	STO	00010	00.67	32.88	26.38	00.017	1449.6							
	OBS	00011	00.65	32.88	26.39		1449.5							
	OBS	00013	00.62	32.87	26.38		1449.4							
	STO	00020	00.24	32.97	26.48	00.033	1447.9							
	OBS	00020	00.11	32.97	26.49		1447.3							
	OBS	00022	- 0.24	32.96	26.49		1445.7							
	STO	00030	- 0.84	33.09	26.62	C0.048	1443.2							
	OBS	00030	- 0.88	33.10	26.63		1443.1							
	OBS	00036	- 1.26	33.18	26.71		1441.5							
	OBS	00040	- 1.32	33.22	26.74		1441.3							
	STO	00050	- 1.29	33.25	26.76	00.075	1441.7							
	OBS	00051	- 1.28	33.25	26.77		1441.8							
	STO	0C075	- 0.93	33.33	26.82	00.106	1443.9							
	OBS	00076	- 0.92	33.33	26.82		1444.0							
	STO	00100	- 0.83	33.45	26.91	00.136	1445.0							
	OBS	00100	- 0.82	33.45	26.91		1445.0							
	STO	00125	- 0.54	33.49	26.93	00.164	1446.8							
	OBS	00125	- 0.53	33.49	26.93		1446.8							
	STO	00150	- 0.41	33.54	26.97	00.192	1447.8							
	OBS	00152	- 0.39	33.55	26.98		1448.0							
	OBS	00175	- 0.07	33.65	27.04		1450.0							
	STO	00200	00.16	33.73	27.10	00.244	1451.5							
	OBS	00201	00.25	33.77	27.12		1452.1							
	OBS	00211	00.92	34.02	27.28		1455.6							
	OBS	00226	01.19	34.12	27.35		1457.2							
	OBS	00249	01.50	34.23	27.41		1459.1							
	STO	00250	01.53	34.25	27.43	00.285	1459.3							
	OBS	00253	01.70	34.34	27.49		1460.2							
	OBS	00276	02.20	34.47	27.55		1463.0							
	STO	00300	C2.51	34.57	27.61	00.314	1464.9							
	OBS	00302	02.54	34.58	27.61		1465.0							
	OBS	00352	02.80	34.66	27.65		1467.1							
	STO	C0400	02.93	34.70	27.67	00.363	1468.5							
	OBS	00403	02.94	34.70	27.67		1468.6							
	OBS	00451	03.07	34.75	27.70		1470.0							
	OBS	00498	03.25	34.79	27.72		1471.6							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 B4C3	YEAR 1975	BOTOP 01717	AIR TEMP 06.1	DIR PCT PER	WIND-DIR 04	INST STG RECORDER	TEM SO 1306
CONSEC 3110	MONTH 06	SHIP EV	WET BULB 06.0	04 2 2	WIND-SPD 14	TRACE DIR 0	S SQUARE 2
LAT 44 34.1N	DAY 05	DATA USE 1	BAROMETR 1004.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 52.0W	HOUR 15.4	AREA 05	CLCUD T/A	CL/TR	WEATHER X4	ORIG 011 889	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.60	33.28	26.57	00.000	1458.5							
19.4	OBS	00001	02.60	33.28	26.57		1458.6							
	STD	00010	02.50	33.28	26.55	00.015	1458.3							
	OBS	00011	02.48	33.28	26.58		1458.2							
	OBS	00015	00.89	33.19	26.62		1451.1							
	OBS	00015	00.72	33.22	26.65		1450.4							
	STD	00020	00.61	33.22	26.66	00.026	1449.5							
	OBS	00020	00.51	33.22	26.67		1449.5							
	OBS	00022	00.32	33.29	26.73		1448.8							
	STD	00030	00.66	33.35	26.76	00.042	1450.5							
	OBS	00030	00.67	33.35	26.76		1450.6							
	OBS	00043	00.31	33.40	26.82		1449.2							
	OBS	00047	00.69	33.46	26.85		1451.1							
	STD	00050	00.63	33.46	26.86	00.067	1450.6							
	OBS	00053	00.54	33.47	26.87		1450.3							
	OBS	00055	00.35	33.42	26.84 •		1449.6							
	OBS	00059	- 0.62	33.37	26.85		1444.2							
	OBS	00062	- 1.14	33.46	26.93		1442.5							
	OBS	00064	- 0.88	33.58	27.00		1444.3							
	OBS	00068	01.69	33.79	27.05		1456.4							
	OBS	00070	01.87	33.80	27.04		1457.2							
	OBS	00072	02.68	33.87	27.03		1460.5							
	STD	00075	02.71	33.85	27.02	00.096	1461.0							
	OBS	00076	02.73	33.85	27.01		1461.1							
	OBS	00083	02.96	33.50	27.03		1462.3							
	OBS	00089	02.05	33.88	27.09		1458.4							
	OBS	00093	01.66	33.87	27.11		1456.7							
	OBS	00095	01.25	33.88	27.15		1455.0							
	STD	00100	00.92	33.90	27.15	00.120	1453.6							
	OBS	00100	00.88	33.91	27.20		1453.4							
	OBS	00112	01.04	34.08	27.33		1454.6							
	OBS	00114	01.45	34.16	27.36		1456.6							
	STD	00125	01.69	34.21	27.38	00.140	1457.9							
	OBS	00127	01.74	34.22	27.39		1458.1							
	STD	00150	02.08	34.41	27.51	00.156	1460.3							
	OBS	00150	02.08	34.41	27.51		1460.3							
	OBS	00175	02.27	34.50	27.57		1461.6							
	STD	00200	02.30	34.51	27.58	00.184	1462.2							
	OBS	00203	02.31	34.52	27.58		1462.3							
	OBS	00226	02.44	34.57	27.61		1463.3							
	STD	00250	02.45	34.58	27.62	00.210	1463.8							
	OBS	00251	02.46	34.58	27.62		1463.8							
	OBS	00276	02.84	34.67	27.66		1466.0							
	STD	00300	02.94	34.71	27.68	00.233	1466.9							
	OBS	00300	02.94	34.71	27.68		1466.9							
	OBS	00350	03.27	34.77	27.70		1465.2							
	OBS	00373	03.35	34.80	27.71		1470.2							
	STD	00400	03.46	34.82	27.72	00.276	1470.9							
	OBS	00400	03.46	34.82	27.72		1470.9							
	OBS	00450	03.51	34.82	27.71		1472.0							
	STD	00500	03.51	34.83	27.72	00.318	1472.8							
	OBS	00500	03.51	34.83	27.72		1472.8							
	STD	00600	03.51	34.84	27.73	00.361	1474.5							
	OBS	00600	03.51	34.84	27.73		1474.5							
	STD	00700	03.50	34.83	27.72	00.404	1476.1							
	OBS	00700	03.50	34.83	27.72		1476.1							
	STD	00800	03.50	34.83	27.72	00.445	1477.7							
	OBS	00800	03.50	34.83	27.72		1477.7							
	STD	00900	03.50	34.83	27.72	00.454	1479.4							
	OBS	00900	03.50	34.83	27.72		1479.4							
	STD	01000	03.49	34.82	27.72	00.540	1481.0							
	OBS	01000	03.49	34.82	27.72		1481.0							
	OBS	01050	03.49	34.82	27.72		1481.9							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8463	YEAR 1975	BOTDP 02386	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 130E
CONSEC 0111	MONTH 06	SHIP EV	WET BULB 04.5	03 3 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 44 35.5N	DAY 05	DATA USE 1	BAROMETR 1002.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 4B
LONG 048 38.8W	HOUR 23.3	AREA 05	CLOUD 7/A	CL/TR	WEATHER X2	ORIG C11 890	1 SQUARE 4B

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT-P	NO2	NO3	SIO3	PH
	STD	00000	03.39	33.40	26.60	00.000	1462.1							
23.3	OBS	00001	03.39	33.40	26.60		1462.1							
	STD	00010	03.03	33.36	26.60	00.015	1460.7							
	OBS	00011	02.87	33.35	26.60		1460.0							
	OBS	00013	02.61	33.37	26.64		1458.9							
	STD	00020	02.52	33.40	26.68	00.029	1458.7							
	OBS	00020	02.51	33.41	26.68		1458.7							
	STD	00030	02.46	33.46	26.73	00.042	1458.7							
	OBS	00030	02.39	33.47	26.74		1458.4							
	OBS	00032	02.07	33.51	26.80		1457.1							
	OBS	00036	01.85	33.60	26.88		1456.3							
	STD	00050	01.62	33.94	27.17	00.064	1455.9							
	OBS	00051	01.61	33.97	27.20		1456.0							
	STD	00075	01.91	34.27	27.42	00.084	1458.1							
	OBS	00076	01.93	34.28	27.42		1458.2							
	STD	00100	02.40	34.46	27.52	00.100	1460.5							
	OBS	00100	02.41	34.46	27.53		1461.0							
	STD	00125	02.32	34.52	27.58	00.114	1461.1							
	OBS	00125	02.32	34.52	27.58		1461.1							
	STD	00150	02.32	34.54	27.60	00.126	1461.5							
	OBS	00150	02.32	34.54	27.60		1461.5							
	OBS	00175	02.42	34.59	27.63		1462.4							
	STD	00200	02.62	34.62	27.64	00.151	1463.7							
	OBS	00201	02.65	34.63	27.64		1463.9							
	OBS	00226	03.37	34.75	27.67		1467.6							
	STD	00250	03.38	34.77	27.69	00.174	1468.0							
	OBS	00251	03.41	34.78	27.69		1468.2							
	OBS	00260	03.73	34.84	27.71		1469.8							
	OBS	00276	03.95	34.86	27.70		1471.0							
	STD	00300	03.96	34.87	27.71	00.195	1471.5							
	OBS	00300	03.96	34.87	27.71		1471.5							
	OBS	00350	03.82	34.88	27.73		1471.7							
	STD	00400	03.77	34.89	27.74	00.236	1472.3							
	OBS	00403	03.77	34.89	27.74		1472.4							
	OBS	00453	03.77	34.90	27.75		1473.2							
	STD	00500	03.80	34.91	27.76	00.276	1474.1							
	OBS	00500	03.80	34.91	27.76		1474.1							
	OBS	00552	03.70	34.90	27.76		1474.6							
	STD	00600	03.71	34.90	27.76	00.316	1475.4							
	OBS	00601	03.71	34.90	27.76		1475.4							
	OBS	00651	03.68	34.91	27.77		1476.1							
	STD	00700	03.71	34.91	27.77	00.356	1477.1							
	OBS	00704	03.71	34.91	27.77		1477.1							
	OBS	00750	03.70	34.91	27.77		1477.5							
	STD	00800	03.70	34.91	27.77	00.397	1478.7							
	OBS	00801	03.70	34.91	27.77		1478.7							
	OBS	00850	03.66	34.91	27.77		1479.4							
	STD	00900	03.66	34.91	27.77	00.439	1480.2							
	OBS	00902	03.66	34.91	27.77		1480.2							
	OBS	00953	03.64	34.91	27.77		1481.0							
	STD	01000	03.62	34.91	27.78	00.480	1481.7							
	OBS	01001	03.62	34.91	27.78		1481.7							
	OBS	01050	03.55	34.90	27.77		1482.2							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCOC STATICN CATA

REFIO 31 8463	YEAR 1975	BOTOP 02911	AIR TEMP 06.3	DIR PGT PER	WIND-DIR 02	INST STO RECORDER	TEN SQ 1306
CONSEC 0112	MONTH 06	SHIP EV	WET BULB 05.9	01 2 2	WIND-SPD 18	TRACE CIR 0	5 SQUARE 2
LAT 44 35.0N	DAY 06	DATA USE 1	BAROMETR 1004.2	SEA	WIND-FOR	DURATION 01.3	2 SQUARE 48
LONG 048 24.0W	HOUR 02.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 891	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	04.15	33.54	26.63	00.000	1465.5							
02.1	OBS	00003	04.15	33.54	26.63		1465.6							
	STO	00010	04.12	33.54	26.64	00.014	1465.6							
	OBS	00011	04.11	33.54	26.64		1465.5							
	OBS	00015	04.06	33.55	26.65		1465.4							
	OBS	00019	02.71	33.37	26.63		1459.4							
	STO	00020	02.57	33.42	26.69	00.028	1458.9							
	OES	00020	02.46	33.46	26.73		1458.5							
	STO	00030	02.34	33.51	26.77	00.041	1458.2							
	OBS	00030	02.34	33.51	26.78		1458.2							
	STO	00050	02.33	33.85	26.89	00.066	1458.7							
	OBS	00051	02.33	33.66	26.90		1458.7							
	STO	00075	02.25	33.90	27.05	00.093	1459.1							
	OBS	00076	02.24	33.91	27.10		1459.1							
	STO	00100	01.79	34.03	27.24	00.116	1457.7							
	OBS	00100	01.78	34.04	27.24		1457.6							
	OBS	00116	01.56	34.18	27.37		1457.1							
	STO	00125	01.68	34.24	27.41	00.135	1457.9							
	OBS	00125	01.69	34.24	27.41		1457.9							
	STO	00150	01.84	34.36	27.49	00.151	1459.2							
	OBS	00150	01.85	34.36	27.49		1459.2							
	OBS	00161	02.14	34.43	27.53		1460.8							
	OBS	00165	02.51	34.52	27.57		1462.6							
	OBS	00173	02.23	34.47	27.55		1461.4							
	OBS	00175	02.23	34.47	27.55		1461.4							
	STO	00200	02.35	34.51	27.57	00.180	1462.4							
	OBS	00203	02.37	34.52	27.58		1462.6							
	OBS	00226	02.45	34.57	27.61		1463.4							
	STO	00250	02.56	34.62	27.65	00.205	1464.3							
	OBS	00253	02.57	34.63	27.65		1464.4							
	OBS	00276	02.67	34.65	27.66		1465.3							
	OBS	00287	02.86	34.68	27.66		1466.3							
	STO	00300	04.11	34.89	27.71	00.227	1472.1							
	OBS	00302	04.32	34.92	27.71		1473.1							
	OBS	00352	04.72	34.97	27.71		1475.6							
	STO	00400	04.55	34.96	27.72	00.270	1475.7							
	OBS	00401	04.55	34.96	27.72		1475.7							
	OBS	00411	04.54	34.96	27.72		1475.8							
	STO	00500	04.51	34.96	27.73	00.314	1477.2							
	OES	00588	04.19	34.97	27.76		1477.3							
	OBS	00553	04.16	34.96	27.76		1477.3							
	STO	00600	04.18	34.96	27.76	00.356	1477.4							
	OBS	00601	04.18	34.96	27.76		1477.5							
	OBS	00651	04.04	34.94	27.76		1477.7							
	STO	00700	03.77	34.92	27.77	00.397	1477.3							
	OBS	00700	03.77	34.92	27.77		1477.4							
	OBS	00750	03.93	34.94	27.77		1478.9							
	STO	00800	03.66	34.90	27.76	00.438	1478.5							
	OBS	00801	03.66	34.90	27.76		1478.5							
	OES	00850	03.77	34.92	27.77		1479.9							
	STO	00900	03.63	34.90	27.77	00.479	1480.1							
	OBS	00904	03.62	34.90	27.77		1480.1							
	OBS	00955	03.52	34.88	27.76		1480.5							
	STO	01000	03.52	34.89	27.77	00.521	1481.2							
	OES	01001	03.52	34.89	27.77		1481.3							
	OES	01031	03.52	34.89	27.77		1481.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIO 31 8463	YEAR 1975	BOTDP 03209	AIR TEMP 05.6	OIR HGT PER	WIND-OIR 03	INST STO RECOROER	TEN SO 1306
CONSEC 0113	MONTH 06	SHIP EV	WET BULB 05.5	04 4 5	WIND-SPG 19	TRACE CIR 0	S SQUARE 2
LAT 44 35.5N	DAY 06	DATA USE 1	BAROMETR 1003.7	SEA	WIND-FCR	CURATION 00.4	2 SQUARE 48
LONG 048 10.0W	HOUR 04.1	AREA 05	CLCUO T/A	CL/TR	WEATHER RO	ORIG CI1 892	1 SQUARE 48

CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OAYG	PO4	TOT P	NOZ	NO3	SIO3	PH
	STO	00000	07.37	34.02	26.62	C0.000	1479.2							
04.1	OBS	00003	07.37	34.02	26.62		1479.3							
	OBS	00005	07.36	34.02	26.62		1479.3							
	STO	00010	07.46	34.08	26.65	00.014	1479.8							
	OBS	00011	07.50	34.10	26.66		1480.0							
	STO	00020	07.77	34.32	26.75	00.028	1481.5							
	OBS	00020	07.80	34.34	26.81		1481.8							
	OBS	00022	07.86	34.38	26.83		1482.0							
	STO	00030	08.72	34.60	26.87	00.040	1485.6							
	OBS	00030	08.77	34.61	26.87		1485.8							
	STO	00050	09.04	34.70	26.89	00.064	1487.3							
	OBS	00053	09.09	34.71	26.90		1487.5							
	OBS	00057	09.03	34.68	26.88		1487.3							
	STO	00075	10.07	35.02	26.98	00.092	1491.9							
	OBS	00076	10.11	35.03	26.98		1492.1							
	OBS	00081	10.30	35.03	26.94 •		1492.9							
	OBS	00083	10.07	35.00	26.96		1492.0							
	OBS	00087	09.62	34.95	27.00		1490.4							
	OBS	00089	09.53	35.02	27.07		1490.2							
	OBS	00091	09.78	35.10	27.09		1491.2							
	OBS	00095	09.83	35.05	27.07		1490.7							
	STO	C0100	09.13	34.95	27.07	00.115	1488.8							
	OBS	00100	09.05	34.93	27.07		1488.5							
	OBS	00110	08.31	34.86	27.14		1485.7							
	OBS	00114	07.78	34.76	27.14		1483.6							
	STO	00125	07.54	34.76	27.17	00.143	1482.9							
	OBS	00125	07.52	34.76	27.18		1482.8							
	OBS	00148	06.76	34.68	27.22		1480.2							
	STO	00150	06.82	34.69	27.22	00.166	1480.4							
	OBS	00150	06.83	34.69	27.22		1480.4							
	OBS	00156	05.63	34.46	27.19 •		1475.4							
	OBS	00165	04.10	34.26	27.21		1469.0							
	OBS	00169	03.48	34.21	27.23		1466.4							
	OBS	00171	03.42	34.22	27.25		1466.2							
	OBS	00175	03.65	34.28	27.27		1467.3							
	OBS	00182	02.30	34.22	27.35	..	1461.5							
	OBS	00186	02.57	34.26	27.35		1462.8							
	OBS	00190	02.50	34.25	27.38		1462.6							
	OBS	00194	02.85	34.32	27.38		1464.2							
	STO	00200	02.87	34.31	27.38	00.205	1463.5							
	OBS	00203	02.81	34.30	27.38		1463.3							
	OBS	0C217	C2.76	34.41	27.46		1464.3							
	OBS	00220	03.33	34.49	27.47		1467.0							
	OBS	00228	04.62	34.69	27.49		1472.8							
	STO	00250	04.05	34.60	27.49	00.239	1470.7							
	OBS	00251	04.04	34.60	27.49		1470.6							
	OBS	00258	C4.00	34.59	27.48		1470.6							
	OBS	00264	03.68	34.58	27.51		1469.3							
	OBS	00270	03.57	34.58	27.52		1468.9							
	OBS	00276	03.16	34.53	27.52		1467.2							
	OBS	00281	03.23	34.60	27.57		1467.7							
	OBS	00287	03.57	34.64	27.57		1469.3							
	STO	00300	03.70	34.66	27.57	00.265	1470.1							
	OBS	C0300	03.70	34.66	27.57		1470.1							
	OBS	00302	03.70	34.66	27.57		1470.1							
	OBS	00310	02.80	34.53	27.55		1466.2							
	OBS	00348	02.71	34.63	27.64		1466.6							
	OBS	00352	02.89	34.67	27.65		1467.5							
	OBS	00373	02.82	34.69	27.68		1467.6							
	OBS	00380	03.07	34.71	27.67		1468.8							
	STO	00400	03.33	34.76	27.68	00.315	1470.3							
	OBS	00401	03.34	34.76	27.68		1470.4							
	OBS	00451	03.32	34.78	27.70		1471.1							
	STO	00500	03.57	34.84	27.72	00.363	1473.0							
	OBS	00500	03.57	34.84	27.72		1473.1							
	OBS	00546	04.04	34.95	27.76		1476.0							
	OBS	00550	04.07	34.93	27.74		1476.1							
	STO	00600	04.05	34.93	27.75	00.405	1476.9							
	OBS	00660	03.98	34.93	27.75		1477.6							
	STO	00700	03.91	34.93	27.76	00.447	1477.9							
	OBS	00700	03.91	34.93	27.76		1478.0							
	STO	00800	03.91	34.93	27.76	00.488	1479.6							
	OBS	00801	03.91	34.93	27.76		1479.6							
	STO	00900	03.85	34.93	27.77	00.531	1481.0							
	OBS	C0904	03.84	34.93	27.77		1481.0							
	STO	01000	03.66	34.90	27.78	00.573	1481.9							
	OBS	01005	03.66	34.90	27.76		1481.9							
	OBS	01046	03.64	34.90	27.77		1482.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8463	YEAR 1975	BOTDP 03422	AIR TEMP 06.5	DIR HGT PER	WIND-DIR 01	INST STC RECORDER	TEN SQ 1306
CONSEC 0114	MONTH 06	SHIP EV	WET BULB 05.8	DS 2 2	WIND-SPD 22	TRACE DIR 0	5 SQUARE 2
LAT 44 35.9N	DAY 06	DATA USE 1	BAROMETR 1003.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 56.0W	HOUR 06.1	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	ORIG 011 R93	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	08.69	34.37	26.69	00.000	1484.7							
06.1	OBS	00001	08.69	34.37	26.69		1484.8							
	STD	C0010	08.72	34.37	26.69	00.014	1485.0							
	OBS	00011	08.73	34.38	26.70		1485.1							
	STD	00020	08.84	34.47	26.75	00.027	1485.7							
	OBS	00020	08.88	34.49	26.76		1485.9							
	STD	00030	09.64	34.86	26.92	00.039	1489.4							
	OBS	00030	09.68	34.87	26.92		1489.6							
	OBS	00036	10.06	34.96	26.93		1491.2							
	STD	00050	10.61	35.10	26.94	C0.062	1493.5							
	OBS	00053	10.72	35.13	26.95		1494.0							
	OBS	00072	11.20	35.27	26.97		1496.2							
	STD	00075	11.34	35.29	26.96	00.090	1496.8							
	OBS	00078	11.45	35.33	26.96		1497.4							
	OBS	00083	11.74	35.42	26.98		1498.5							
	OBS	00095	11.68	35.42	26.99		1498.5							
	STD	00100	11.40	35.35	27.00	00.118	1497.5							
	OBS	00102	11.24	35.32	27.00		1496.9							
	STD	00125	09.96	35.17	27.11	00.144	1492.5							
	OBS	00125	09.95	35.17	27.11		1492.5							
	OBS	00129	09.88	35.15	27.11		1492.3							
	OBS	00137	09.37	35.05	27.12		1490.4							
	STD	00150	08.72	34.88	27.09 •	00.165	1488.0							
	OBS	00152	08.51	34.86	27.11		1487.2							
	OBS	00156	08.10	34.84	27.15		1485.7							
	OBS	00177	07.81	34.79	27.16		1484.8							
	OBS	00180	07.40	34.73	27.17		1483.2							
	STD	00200	07.70	34.83	27.21	00.217	1484.8							
	OBS	00201	07.72	34.84	27.21		1485.0							
	OBS	00213	07.86	34.88	27.22		1485.7							
	OBS	00220	.08.20	34.97	27.24		1487.3							
	OBS	00226	08.32	35.02	27.26		1487.9							
	OBS	00239	08.19	34.99	27.26		1487.6							
	OBS	00247	07.46	34.88	27.28		1484.8							
	STD	00250	07.45	34.87	27.28	00.261	1484.7							
	OBS	00251	07.44	34.87	27.27		1484.7							
	OBS	00255	07.28	34.85	27.28		1484.1							
	OBS	00277	07.31	34.89	27.31		1484.7							
	OBS	00285	07.03	34.84	27.31		1483.6							
	OBS	00293	C6.60	34.82	27.35		1482.1							
	STD	00300	06.67	34.89	27.40	00.300	1482.5							
	OBS	00300	06.68	34.90	27.40		1482.6							
	OBS	00308	06.05	34.77	27.39		1480.0							
	OBS	00316	05.61	34.72	27.40		1478.3							
	OBS	00319	05.57	34.73	27.41		1478.2							
	OBS	00329	05.25	34.71	27.44		1477.1							
	OBS	00335	05.40	34.77	27.47		1477.9							
	OBS	00350	05.43	34.77	27.46		1478.2							
	STD	00400	04.58	34.72	27.53	00.368	1475.5							
	OBS	00403	04.57	34.72	27.52		1475.5							
	OBS	00451	05.18	34.94	27.63		1479.1							
	OBS	00493	05.02	34.95	27.65		1479.2							
	STD	00500	04.89	34.93	27.65	00.424	1478.7							
	OBS	00504	04.82	34.92	27.65		1478.5							
	OBS	00550	04.84	34.95	27.68		1479.4							
	STD	00600	04.81	34.98	27.70	00.473	1480.1							
	OBS	00601	04.81	34.98	27.70		1480.1							
	OBS	00651	04.72	34.99	27.72		1480.6							
	STD	00700	04.55	34.98	27.73	00.519	1480.7							
	OBS	00700	04.55	34.98	27.73		1480.7							
	OBS	00750	04.45	34.99	27.75		1481.1							
	STD	00800	04.48	35.00	27.76	00.563	1482.1							
	OBS	00801	04.48	35.00	27.76		1482.1							
	OBS	00850	04.48	35.00	27.76		1482.9							
	STD	00900	04.40	34.99	27.76	00.607	1483.4							
	OBS	00909	04.38	34.99	27.76		1483.5							
	OBS	00951	04.29	34.99	27.77		1483.8							
	STD	01000	04.21	34.98	27.77	00.651	1484.3							
	OBS	01003	04.21	34.98	27.77		1484.3							
	OBS	01043	04.20	34.98	27.77		1484.9							
	OBS	01056	04.20	34.98	27.77		1485.2							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIO 31 8463	YEAR 1975	BOTOP 00369	AIR TEMP 05.0	OIR HGT PER	WIND-DIR 10	INST STC RECORDER	TEN SQ 1307
CONSEC 0115	MONTH 06	SHIP EV	WET BULB 04.3	00 X X	WIND-SPD 02	TRACE DIR D	5 SQUARE 3
LAT 49 42.0N	DAY 15	DATA USE 1	BARCMETR 1021.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 62
LONG 032 26.0W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER A4	ORIE 011 894	1 SQUARE 52

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXY6	PO4	TOT P	NO2	NO3	SIO3	PH
23.9	STO	00000	01.89	30.31	24.25	00.000	1431.4							
	OBS	00003	01.89	30.31	24.25		1451.4							
	OBS	00005	01.90	30.31	24.25		1451.5							
	OBS	00007	01.54	30.28	24.25		1445.9							
	STO	00010	01.31	30.31	24.28	00.037	1448.9							
	OBS	00011	01.14	30.32	24.31		1448.2							
	STO	00020	- 0.93	32.02	25.76	00.066	1441.1							
	OBS	00022	- 1.23	32.30	26.00		1440.1							
	STO	00030	- 1.22	32.37	26.06	00.087	1440.5							
	OBS	00030	- 1.22	32.38	26.06		1440.5							
	OBS	00041	- 1.41	32.53	26.19		1440.0							
	OBS	00043	- 0.47	32.62	26.23		1444.5							
	OBS	00049	- 0.30	32.62	26.22		1445.4							
	STO	00050	- 0.53	32.60	26.22	00.125	1444.3							
	OBS	00051	- 0.99	32.59	26.22		1442.2							
	OBS	00053	- 1.19	32.66	26.30		1441.4							
	STO	00075	- 1.31	32.94	26.51	00.166	1441.6							
	OBS	00076	- 1.32	32.96	26.53		1441.6							
	OBS	00078	- 0.91	33.00	26.55		1443.6							
	OBS	00083	- 1.21	33.03	26.59		1442.3							
	OBS	00085	- 1.16	33.04	26.59		1442.6							
	STO	00100	- 1.38	33.14	26.68	00.203	1441.9							
	OBS	00100	- 1.41	33.15	26.69		1441.8							
	OBS	00104	- 1.55	33.19	26.72		1441.3							
	STO	00123	- 1.36	33.34	26.84	00.235	1442.7							
	OBS	00125	- 1.35	33.34	26.84		1442.8							
	STO	00150	- 1.17	33.47	26.94	00.264	1444.2							
	OBS	00150	- 1.17	33.47	26.94		1444.2							
	OBS	00175	- 0.91	33.63	27.06		1446.1							
	STO	00200	- 0.66	33.73	27.14	00.315	1447.8							
	OBS	00201	- 0.65	33.74	27.14		1447.9							
	OBS	00226	- 0.57	33.79	27.18		1448.7							
	STO	00250	- 0.17	33.91	27.26	00.359	1451.1							
	OBS	00251	- 0.15	33.92	27.26		1451.3							
	OBS	00276	00.37	34.07	27.36		1454.2							
	STO	00300	00.70	34.16	27.41	00.396	1456.3							
	OBS	00300	00.72	34.16	27.41		1456.4							
	OBS	00352	02.25	34.52	27.59		1464.5							
	OBS	00363	02.25	34.32	27.59		1464.7							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463   YEAR 1975   BOTOP 00320   AIR TEMP 04.0   DIR HGT PER   WIND-DIR 09   INST STD RECORDER   TEN SQ 1307
CONSEC 0111   MONTH 06   SHIP EV   WET BULB 04.0   00 X X   WIND-SPD 08   TRACE DIR 0   3 SQUARE 3
LAT 49 45.2N   DAY 16   DATA USE 1   BAROMETR 1021.5   SEA   WIND-FOR   DURATION 00.1   2 SQUARE 32
LONG 052 13.1W   HOUR 01.2   AREA 05   CLOUD 7/4   CL/TR   WEATHER R4   OR IG 011 895   1 SQUARE 92

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.20	30.38	24.29	00.000	1452.8							
01.2	OBS	00003	02.20	30.38	24.29		1452.9							
	OBS	00007	02.19	30.73	24.57		1453.4							
	STD	00010	02.11	31.32	25.04	00.033	1453.9							
	OBS	00019	00.82	32.63	26.18		1450.1							
	STD	C0020	00.52	32.70	26.24	00.056	1448.8							
	OBS	00020	00.35	32.73	26.28		1448.1							
	OBS	00022	00.32	32.73	26.28		1448.0							
	OBS	00026	01.04	32.85	26.34		1451.5							
	STD	00030	00.72	32.89	26.39	00.074	1450.1							
	OBS	00030	00.68	32.89	26.39		1450.0							
	OBS	00040	00.55	32.91	26.42		1449.6							
	OBS	00047	00.36	32.97	26.47		1448.5							
	OBS	00049	00.20	32.96	26.47		1448.2							
	STD	00050	00.21	32.97	26.48	00.106	1448.2							
	OBS	00051	00.22	32.98	26.45		1448.3							
	OBS	00059	00.09	33.01	26.52		1447.9							
	OBS	00060	-0.23	32.98	26.51		1446.4							
	OBS	00064	00.13	33.05	26.55		1448.2							
	OBS	00072	00.37	33.09	26.57		1449.5							
	STD	00075	-0.05	33.05	26.56	00.144	1447.6							
	OBS	00079	-0.55	33.03	26.56		1445.3							
	OBS	00087	-0.66	33.12	26.64		1445.1							
	OBS	00091	-1.08	33.14	26.67		1443.2							
	OBS	00099	-1.25	33.20	26.72		1442.6							
	STD	00100	-1.20	33.24	26.76	00.178	1442.9							
	OBS	00100	-1.16	33.26	26.79		1443.2							
	STD	00125	-1.18	33.50	26.96	00.208	1443.8							
	OBS	00125	-1.18	33.50	26.97		1443.8							
	STD	00150	-1.00	33.63	27.06	00.234	1445.2							
	OBS	00150	-1.00	33.63	27.06		1445.2							
	OBS	00175	-0.65	33.76	27.16		1447.5							
	STD	00200	-0.00	33.95	27.28	00.279	1451.1							
	OBS	00201	00.03	33.96	27.29		1451.3							
	OBS	00226	00.32	34.06	27.35		1453.2							
	STD	00250	00.94	34.19	27.42	00.316	1456.6							
	OBS	00251	00.97	34.20	27.43		1456.7							
	OBS	00264	01.15	34.26	27.48		1458.0							
	OBS	00266	01.83	34.29	27.44 •		1460.9							
	OBS	00268	01.30	34.30	27.48		1458.6							
	OBS	00276	01.58	34.40	27.54		1460.1							
	STD	00300	01.75	34.38	27.52	00.348	1461.2							
	OBS	C0300	01.75	34.38	27.52		1461.3							
	OBS	00312	01.75	34.38	27.52		1461.5							

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REFID 31 8463   YEAR 1975   BOTOP 00250   AIR TEMP 03.9   DIR HGT PER   WIND-DIR 15   INST STD RECORDER   TEN SQ 1307
CONSEC 0117   MONTH 06   SHIP EV   WET BULB 03.8   00 X X   WIND-SPD 11   TRACE DIR 0   3 SQUARE 3
LAT 49 49.0N   DAY 16   DATA USE 1   BAROMETR 1015.1   SEA   WIND-FOR   DURATION 00.1   2 SQUARE 30
LONG 051 58.0W   HOUR 03.5   AREA 05   CLOUD 7/4   CL/TR   WEATHER X3   OR IG 011 896   1 SQUARE 91

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	02.90	30.64	24.44	00.000	1456.3							
03.5	OBS	00003	02.90	30.64	24.44		1456.3							
	STD	00010	00.81	32.12	25.77	00.029	1449.1							
	OBS	00013	-0.36	32.50	26.13		1444.4							
	OBS	00015	-1.05	32.59	26.23		1441.3							
	OBS	00017	-1.24	32.78	26.38		1440.7							
	OBS	00019	-0.82	32.84	26.42		1442.6							
	STD	00020	-0.80	32.82	26.40	00.048	1442.9							
	OBS	00020	-0.77	32.80	26.39		1443.0							
	STD	00030	-0.18	33.00	26.52	00.064	1446.2							
	OBS	00030	-0.15	33.00	26.52		1446.3							
	OBS	00032	-0.40	32.99	26.52		1445.2							
	OBS	00034	-0.47	32.92 P	26.47 00										
	OBS	00038	-1.44	32.97	26.54		1440.4							
	STD	00050	-1.44	33.00	26.57	00.094	1440.6							
	OBS	00051	-1.44	33.01	26.58		1440.7							
	OBS	00059	-1.50	33.06	26.62		1440.6							
	STD	00075	-1.45	33.23	26.75	00.128	1441.3							
	OBS	00076	-1.45	33.24	26.76		1441.4							
	STD	00100	-1.29	33.42	26.91	00.159	1442.6							
	OBS	00100	-1.28	33.43	26.91		1442.8							
	STD	00125	-1.09	33.55	27.00	00.186	1444.3							
	OBS	00125	-1.08	33.55	27.00		1444.3							
	STD	00150	-0.81	33.68	27.10	00.212	1446.2							
	OBS	00150	-0.60	33.68	27.10		1446.2							
	OBS	00175	-0.24	33.88	27.24		1449.3							
	OBS	00198	-0.01	33.97	27.30		1451.1							
	STD	00200	00.03	33.99	27.31	00.255	1451.3							
	OBS	00201	00.07	34.00	27.32		1451.6							
	OBS	00226	00.66	34.12	27.38		1454.8							
	OBS	00247	01.17	34.25	27.45		1457.6							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00280	AIR TEMP 04.2	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SO 1307
CONSEC 0118	MONTH 06	SHIP EV	WET BULB 04.2	00 X X	WIND-SPD 04	TRACE DIR 0	5 SQUARE 3
LAT 45 54.4N	DAY 16	DATA USE 1	BAROMETR 1018.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80
LONG 051 45.0W	HOUR 05.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 011 897	1 SQUARE 91

CASTNO/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.0	STD	00000	03.04	31.32	24.97	00.000	1457.8							
	OBS	00001	03.04	31.32	24.97		1457.8							
	STD	00010	02.98	32.70	26.08	00.025	1459.6							
	OBS	00011	02.73	32.75	26.14		1458.6							
	OBS	00013	02.27	32.72	26.15		1456.5							
	OBS	00015	01.73	32.87	26.31		1454.4							
	OBS	00017	01.48	32.91	26.36		1453.4							
	STD	00020	00.75	32.89	26.39	00.043	1450.1							
	OBS	00020	00.58	32.89	26.40		1449.4							
	STD	00030	00.64	33.08	26.55	00.058	1450.0							
	OBS	00030	00.64	33.09	26.55		1450.1							
	STD	00050	00.72	33.09	26.55	00.088	1450.6							
	OBS	00051	00.73	33.09	26.55		1450.8							
	OBS	00053	00.16	33.11	26.60		1448.3							
	OBS	00055	00.16	33.10	26.59		1448.3							
	OBS	00059	-0.06	33.12	26.61		1447.4							
	OBS	00062	-0.25	33.14	26.64		1446.6							
	OBS	00070	-1.01	33.20	26.72		1443.3							
	STD	00075	-1.16	33.28	26.79	00.123	1442.7							
	OBS	00076	-1.19	33.30	26.80		1442.7							
	OBS	00083	-1.28	33.35	26.88		1442.5							
	STD	00100	-1.01	33.59	27.03	00.151	1444.3							
	OBS	00100	-1.00	33.60	27.04		1444.4							
	STD	00125	-0.62	33.81	27.15	00.175	1446.8							
	OBS	00125	-0.61	33.81	27.20		1446.9							
	STD	00150	-0.11	33.97	27.30	00.196	1449.8							
	OBS	00152	-0.06	33.98	27.31		1450.1							
	OBS	00175	00.43	34.13	27.40		1452.9							
	STD	00200	00.83	34.23	27.46	00.231	1455.3							
	OBS	00203	00.88	34.24	27.46		1455.6							
	OBS	00228	01.15	34.31	27.50		1457.3							
	STD	00250	01.48	34.37	27.53	00.262	1459.2							
	OBS	00251	01.51	34.38	27.53		1459.4							
	OBS	00274	02.11	34.49	27.58		1462.6							

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REFID 31 8463	YEAR 1975	BOTOP 00258	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SO 1307
CONSEC 0119	MONTH 06	SHIP EV	WET BULB 04.8	00 X X	WIND-SPD 06	TRACE DIR 0	5 SQUARE 3
LAT 45 55.0N	DAY 16	DATA USE 1	BAROMETR 1016.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LONG 051 32.2W	HOUR 06.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 011 898	1 SQUARE 91

CASTNO/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.50	33.25	26.47	00.000	1462.4							
06.3	OBS	00001	03.50	33.25	26.47		1462.4							
	STD	00010	03.33	33.26	26.49		1461.8							
	STD	00020	03.04	33.27	26.49	00.016	1461.8							
	OBS	00020	03.01	33.27	26.52	00.031	1460.8							
	OBS	00026	02.80	33.33	26.53		1460.6							
	STD	00030	02.65	33.29	26.55	00.046	1459.9							
	OBS	00030	02.48	33.28	26.57		1459.2							
	OBS	00032	01.51	33.23	26.58		1458.5							
	OBS	00036	01.72	33.60	26.61		1454.2							
	OBS	00043	01.04	33.75	26.89		1455.7							
	STD	00050	00.90	33.74	27.06	00.071	1453.0							
	OBS	00051	00.84	33.73	27.06		1452.5							
	OBS	00053	00.61	33.71	27.06		1452.2							
	OBS	00060	00.12	33.80	27.05		1451.2							
	OBS	00064	00.20	33.84	27.15		1449.2							
	OBS	00068	00.61	33.86	27.18		1449.7							
	OBS	00070	00.25	33.83	27.18		1451.6							
	STD	00075	00.55	33.89	27.17	00.094	1450.0							
	OBS	00076	00.61	33.90	27.20		1451.5							
	STD	00100	00.48	34.02	27.21	00.115	1451.8							
	OBS	00100	00.47	34.04	27.31		1451.8							
	OBS	00102	00.58	34.08	27.33		1452.4							
	OBS	00106	01.09	34.12	27.35		1454.8							
	OBS	00110	01.27	34.13	27.35		1455.7							
	STD	00125	00.81	34.17	27.35	00.133	1453.9							
	OBS	00125	00.60	34.17	27.41		1453.5							
	STD	00150	01.18	34.27	27.41	00.149	1456.1							
	OBS	00150	01.19	34.27	27.47		1456.1							
	OBS	00175	01.56	34.40	27.47		1458.4							
	STD	00200	01.86	34.49	27.55	00.178	1460.2							
	OBS	00201	01.88	34.50	27.60		1460.4							
	OBS	00226	02.22	34.59	27.60		1462.4							
	STD	00250	02.46	34.66	27.65	00.201	1463.5							
	OBS	00251	02.47	34.66	27.68		1464.0							
	OBS	00276	02.75	34.78	27.73		1465.8							
	OBS	00291	02.79	34.77	27.74		1466.2							

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TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 A4E3	YEAR 1973	BOTOP 00316	AIR TEMP 04.6	DIR HGT PER	WIND-DIR 23	INST STG RECORDER	TEN SQ 1407
CONSEC 0120	MONTH 06	SHIP EV	WET BULB 04.2	00 A A	WIND-SPD 09	TRACE DIR 0	5 SQUARE 1
LAT 53 02.7N	DAY 16	DATA USE 1	BAROMETR 1017.8	SE6	WIND-FOR	DURATION 00.1	2 SQUARE 00
LONG 031 17.0m	HOUR 07.9	AREA 05	CLOUD T/6	CL/TP	WEATHER A3	ORIG.G11 869	1 SQUARE 01

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P.	NO2	NO3	SIO3	PH
	STO	00000	02.67	32.98	26.33	00.000	1458.4							
07.9	OBS	00005	02.67	32.98	26.33		1458.3							
	OBS	00007	02.53	32.98	26.34		1437.5							
	STO	00010	02.61	33.02	26.36	00.017	1458.4							
	OBS	00011	02.64	33.04	26.38		1458.6							
	STO	00020	02.63	33.05	26.36	00.034	1458.7							
	OBS	00020	02.63	33.05	26.38		1458.7							
	OBS	00024	01.89	33.06	26.45		1455.5							
	OBS	00026	01.77	33.04	26.44		1455.0							
	OBS	00028	01.08	33.03	26.48		1451.9							
	STO	00030	01.02	33.04	26.50	00.050	1451.7							
	OBS	00030	01.00	33.05	26.50		1451.6							
	OBS	00034	00.87	33.09	26.54		1451.2							
	OBS	00040	00.35	33.15	26.62		1449.0							
	OBS	00041	- 0.09	33.21	26.65		1447.1							
	OBS	00043	- 0.05	33.35	26.80		1447.5							
	OBS	00045	00.97	33.49	26.86		1452.4							
	OBS	00049	01.22	33.45	26.81 *		1453.5							
	STO	00050	01.21	33.43	26.80	00.078	1453.4							
	OBS	00053	01.02	33.42	26.80		1452.6							
	OBS	00055	00.62	33.48	26.86		1451.8							
	OBS	00057	01.37	33.59	26.91		1454.3							
	OBS	00062	00.50	33.56	26.94		1450.6							
	OBS	00064	00.80	33.52 P	26.890*									
	OBS	00068	01.53	33.66 P	26.560									
	STO	00075	01.51	33.60	26.91 *	00.108	1455.4							
	OBS	00078	01.35	33.61	26.93		1454.8							
	OBS	00083	00.75	33.62	26.57		1452.2							
	OBS	00085	00.40	33.68	27.04		1450.7							
	STO	00100	00.37	33.78	27.13	00.134	1451.0							
	OBS	00100	00.30	33.79	27.14		1450.6							
	OBS	00104	- 0.11	33.82	27.18		1448.5							
	STO	00125	00.41	33.59	27.29	00.156	1451.8							
	OBS	00125	00.43	34.00	27.30		1451.9							
	OBS	00144	01.21	34.18	27.39		1456.0							
	OBS	00148	00.57	34.15	27.35		1455.0							
	STO	00150	00.92	34.16	27.40	00.174	1454.8							
	OBS	00150	00.91	34.16	27.40		1454.7							
	OBS	00175	01.17	34.27	27.47		1456.5							
	STO	00200	01.59	34.35	27.54	00.206	1458.9							
	OBS	00201	01.62	34.40	27.54		1455.1							
	OBS	C0226	02.07	34.52	27.60		1461.6							
	STO	00250	02.20	34.58	27.64	00.232	1462.7							
	OBS	00251	02.21	34.58	27.64		1462.8							
	OBS	00276	02.34	34.64	27.68		1463.8							
	STO	00300	02.66	34.70	27.70	00.254	1465.7							
	OBS	00300	02.66	34.70	27.70		1465.7							
	OBS	00314	02.69	34.72	27.71		1466.1							

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Table II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFID 31 8463	YEAR 1975	BOTOP 00360	AIR TEMP 06.2	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1407
CONSEC 0121	MONTH 06	SHIP EV	WET BULB 05.6	99 A X	WIND-SPD 06	TRACE DIR C	S SQUARE 1
LAT 50 09.0N	DAY 16	DATA USE 1	BAROMETR 1019.7	SEA	WIND-FOR	DURATICH 00.2	2 SQUARE 00
LONG 051 05.8W	HOUR 09.3	AREA 05	CLCUD 7/A	CL/TR	WEATHER X4	ORIG 011 900	1 SQUARE 01

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.86	32.90	26.25	00.000	1459.1							
09.5	OBS	00003	02.86	32.90	26.25		1459.2							
	STD	00010	02.46	32.94	26.31	00.018	1457.6							
	OBS	00011	02.40	32.94	26.32		1457.4							
	STD	00020	02.33	32.91	26.30	00.035	1457.2							
	OBS	00020	02.32	32.91	26.30		1457.2							
	OBS	00024	00.77	32.99	26.47		1450.4							
	STD	00030	00.85	33.04	26.50	00.051	1450.9							
	OBS	00030	00.86	33.04	26.50		1451.0							
	OBS	00038	00.46	33.06	26.54		1449.3							
	OBS	00040	00.40	33.09	26.57		1449.1							
	OBS	00041	00.20	33.10	26.59		1448.3							
	OBS	00045	- 0.84	33.12	26.65		1443.5							
	STD	00050	- 1.39	33.25	26.77	00.079	1441.2							
	OBS	00051	- 1.50	33.28	26.80		1440.8							
	OBS	00057	- 1.56	33.34	26.85		1440.7							
	STD	00075	- 1.02	33.48	26.95	00.109	1443.7							
	OBS	00078	- 0.93	33.51	26.96		1444.2							
	STD	00100	- 0.26	33.70	27.09	00.135	1447.9							
	OBS	00100	- 0.24	33.71	27.10		1448.1							
	STD	00125	00.06	33.82	27.18	0C.159	1450.0							
	OBS	00125	00.08	33.83	27.18		1450.1							
	STD	00150	01.13	34.13	27.36	00.179	1455.7							
	OBS	00150	01.14	34.138	27.37		1455.7							
	OBS	00175	01.24	34.237	27.44		1456.7							
	STD	00200	01.33	34.34	27.52	00.212	1457.7							
	OBS	00201	01.35	34.35	27.52		1457.8							
	OBS	00226	01.76	34.46	27.58		1460.2							
	STD	00250	02.01	34.52	27.61	00.239	1461.8							
	OBS	00253	02.04	34.53	27.61		1462.0							
	OBS	00277	02.29	34.60	27.65		1463.6							
	STD	00300	02.57	34.68	27.69	00.262	1465.2							
	OBS	00300	02.57	34.68	27.69		1465.3							
	OBS	00316	02.58	34.67	27.68		1465.6							

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REFID 31 8463	YEAR 1975	BOTDP 00298	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1407
CONSEC 0122	MONTH 06	SHIP EV	WET BULB 05.1	00 X X	WIND-SPD 06	TRACE CIR C	S SQUARE 1
LAT 50 12.0N	DAY 16	DATA USE 1	BAROMETR 1017.1	SEA	WIND-FOR	DURATICH 00.1	2 SQUARE 00
LONG 050 52.2W	HOUR 10.8	AREA 05	CLCUD 7/A	CL/TR	WEATHER X1	ORIG 011 901 X4	1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.17	32.87	26.19	00.000	1460.4							
10.8	OBS	00003	03.17	32.87	26.19		1460.5							
	OBS	C0005	03.01	32.92	26.25		1459.9							
	STD	00010	03.02	32.92	26.25	00.018	1460.0							
	OBS	00011	03.02	32.92	26.25		1460.1							
	STD	00020	C2.80	32.92	26.27	00.036	1459.3							
	OBS	00020	02.78	32.92	26.27		1459.2							
	OBS	00022	01.44	32.89	26.35		1453.3							
	OBS	00024	00.83	32.95	26.43		1450.6							
	STD	00030	00.85	32.99	26.47	00.052	1450.5							
	OBS	00030	00.85	33.00	26.47		1450.9							
	OBS	00038	00.87	33.150	26.59		1451.3							
	STD	00050	00.06	33.20	26.67	00.082	1447.9							
	OBS	00051	- 0.13	33.220	26.70		1447.1							
	OBS	00057	- 1.11	33.360	26.85		1442.8							
	OBS	00055	- 1.20	33.500	26.97		1442.6							
	OBS	00060	- 1.10	33.490	26.95		1443.1							
	OBS	00064	- 0.79	33.540	26.98		1444.7							
	OBS	00066	- 0.77	33.61	27.04		1444.5							
	STD	00075	- 0.57	33.66	27.07	00.112	1446.1							
	OBS	00076	- 0.54	33.67	27.08		1446.2							
	STD	00100	- 0.07	33.83	27.19	00.135	1449.0							
	OBS	00100	- 0.06	33.84	27.19		1449.1							
	STD	00125	00.09	33.97	27.29	00.156	1450.3							
	OBS	00127	00.14	33.99	27.31		1450.6							
	STD	00150	01.01	34.19	27.42	00.174	1455.2							
	OBS	00154	01.12	34.22	27.43		1455.8							
	OBS	00175	01.46	34.31	27.48		1457.8							
	OBS	00177	01.44	34.33	27.50		1457.8							
	OBS	00192	02.25	34.51	27.58		1461.5							
	OBS	00156	02.53	34.56	27.60		1463.2							
	STD	00200	02.67	34.62	27.64	00.203	1464.0							
	OBS	00203	02.78	34.66	27.66		1464.8							
	OBS	00213	C2.98	34.65	27.63 *		1465.6							
	OBS	00217	02.52	34.60	27.63		1463.6							
	OBS	00226	C2.48	34.64	27.67		1463.6							
	STD	00250	02.63	34.72	27.71	00.225	1464.7							
	OBS	00251	02.64	34.72	27.72		1464.8							
	OBS	00276	02.86	34.79	27.75		1466.3							
	OBS	00293	02.94	34.81	27.76		1466.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

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PEFIO  31  8463    YEAR 1975     BOTOP 00401    AIR TEMP  05.5    DIR HGT PER    WINC-DIR 27    INST STD RECORDER     TEN SQ 1407
CONSEC    0123     MONTH 06      SHIP EV        WET BULB  04.9    16  C   3      WIND-SPO 08    TRACE DIR      D      5 SQUARE  1
LAT    50 14.0N    DAY   16      DATA USE  1    BAROMETR 1018.2   SEA            WIND-FOR       DURATION      00.2    2 SQUARE 00
LONG  050 38.0W    HOUR 12.2     AREA     05    CLOUD T/A         CL/TR          WEATHER  A1    ORIG 011 902          1 SQUARE 00
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NC3	SIO3	PH
	STD	00000	02.96	32.93	26.26	00.000	1459.8							.
12.2	OBS	00003	02.96	32.93	26.26		1459.7							
	OBS	00007	02.77	32.91	26.26		1458.9							
	STD	00010	02.64	32.94	26.30	00.018	1458.4							
	OBS	00011	02.58	32.95	26.31		1458.2							
	OBS	00013	02.52	32.95	26.31		1458.0							
	OBS	00017	00.94	33.01	26.47		1451.1							
	STD	00020	00.91	33.06	26.51	00.034	1451.1							
	OBS	00020	00.90	33.07	26.52		1451.1							
	OBS	00024	00.99	33.10	26.54		1451.6							
	OBS	00026	00.46	33.04	26.52		1449.1							
	STD	00030	00.52	33.14	26.60	00.045	1449.6							
	OBS	00030	00.53	33.14	26.60		1449.6							
	OBS	00032	00.41	33.12	26.59		1449.1							
	OBS	00034	00.08	33.15	26.63		1447.7							
	OBS	00036	- 0.40	33.23	26.72		1445.6							
	OBS	00038	- 0.71	33.31	26.80		1444.3							
	OBS	00040	- 1.25	33.36	26.85		1441.9							
	STD	00050	- 1.12	33.58	27.02	00.074	1443.0							
	OBS	00051	- 1.09	33.60	27.04		1443.1							
	OBS	00066	- 0.72	33.76	27.16		1445.3							
	OBS	00068	00.10	33.82	27.17		1449.2							
	OBS	00070	00.12	33.84	27.19		1449.4							
	OBS	00072	- 0.11	33.83	27.19		1448.4							
	STD	00075	- 0.15	33.83	27.19	00.098	1448.2							
	OBS	00076	- 0.18	33.83	27.19		1448.1							
	OBS	00078	- 0.24	33.89	27.24		1447.9							
	OBS	00089	00.14	33.99	27.31		1450.0							
	OBS	00091	00.57	34.03	27.31		1452.1							
	STD	00100	01.09	34.12	27.35	00.118	1454.7							
	OBS	00100	01.11	34.12	27.35		1454.8							
	OBS	00104	01.12	34.11	27.34		1454.9							
	STD	00125	01.10	34.20	27.42	00.136	1455.2							
	OBS	00125	01.10	34.20	27.42		1455.2							
	STD	00150	01.39	34.34	27.51	00.151	1457.1							
	OBS	00150	01.40	34.34	27.51		1457.2							
	OBS	00175	01.94	34.48	27.58		1460.2							
	OBS	00194	02.59	34.60	27.62		1463.5							
	OBS	00198	02.28	34.55	27.81		1462.1							
	STD	00200	02.32	34.56	27.62	00.178	1462.4							
	OBS	00201	02.35	34.57	27.62		1462.5							
	OBS	00226	02.55	34.64	27.66		1463.9							
	STD	00250	02.57	34.68	27.69	00.202	1464.4							
	OBS	00251	02.57	34.68	27.69		1464.5							
	OBS	00276	02.64	34.72	27.72		1465.2							
	STD	00330	02.84	34.77	27.74	00.222	1466.5							
	OBS	00300	02.84	34.77	27.74		1466.6							
	OBS	00350	02.88	34.79	27.75		1467.6							
	OBS	00395	02.90	34.80	27.76		1468.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

RSFIC 31 8463	YEAR 1975	BOTOP 00843	AIR TEMP 06.0	DIR HGT PER	•IND-DIR 27	INST STC RECORDER	TEN SO 1407
CONSEC 0124	MONTH 06	SHIP EV	WET BULB 05.6	00 X X	WIND-SPO 09	TRACE DIR 0	5 SQUARE 1
LAT 50 20.0N	DAY 16	DATA USE 1	BARCMETR 1018.1	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 00
LONG 030 23.5W	HOUR 14.1	AREA 05	CLOUD 7/A	CL/TR	WEATHER A1	ORIG 011 903 19	1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	03.97	33.57	26.68	00.000	1464.8						
14.1	OBS	00003	03.97	33.57	26.68		1464.9						
	OBS	00005	03.91	33.86	26.91		1465.0						
	OBS	00007	04.83	34.04	26.96		1469.2						
	OBS	00009	04.03	34.11	27.10		1466.0						
	STO	00010	03.94	34.13	27.12	00.012	1465.6						
	OBS	00011	03.66	34.19	27.20		1464.5						
	STO	00020	03.22	34.41	27.41	00.020	1463.1						
	OBS	00020	03.19	34.42	27.43		1463.0						
	STO	00030	03.03	34.49	27.50	00.026	1462.5						
	OBS	00030	03.02	34.49	27.50		1462.5						
	OBS	00040	02.72	34.49	27.53		1461.4						
	OBS	00045	02.96	34.53	27.54		1462.6						
	STO	00050	02.53	34.51	27.56	00.038	1460.7						
	OBS	00051	02.41	34.51	27.57		1460.2						
	STO	00075	02.36	34.57	27.62	00.050	1460.5						
	OBS	00076	02.35	34.58	27.63		1460.5						
	OBS	00078	02.33	34.60	27.65		1460.4						
	STO	00100	02.72	34.70	27.69	00.062	1462.6						
	OBS	00100	02.73	34.70	27.69		1462.7						
	STO	00125	02.80	34.73	27.71	00.072	1463.4						
	OBS	00125	02.80	34.73	27.71		1463.4						
	STO	00150	02.97	34.79	27.74	00.082	1464.7						
	OBS	00150	02.97	34.79	27.74		1464.7						
	OBS	00175	02.97	34.80	27.75		1465.1						
	STO	00200	03.03	34.82	27.76	00.100	1465.8						
	OBS	00201	03.03	34.82	27.76		1465.8						
	OBS	00226	03.03	34.83	27.77		1466.2						
	STO	00250	03.00	34.84	27.78	00.118	1466.5						
	OBS	00253	03.00	34.84	27.78		1466.6						
	OBS	00276	02.98	34.84	27.78		1466.9						
	STO	00300	02.99	34.84	27.78	00.135	1467.3						
	OBS	00300	03.00	34.84	27.78		1467.4						
	OBS	00302	03.03	34.84	27.78		1467.5						
	OBS	00308	03.23	34.88	27.79		1468.5						
	OBS	00350	03.21	34.88	27.79		1469.1						
	STO	00400	03.34	34.90	27.79	00.170	1470.5						
	OBS	00401	03.34	34.90	27.79		1470.6						
	OBS	00451	03.29	34.90	27.80		1471.2						
	STO	00500	03.29	34.90	27.80	00.205	1472.0						
	OBS	00500	03.29	34.90	27.80		1472.0						
	OBS	00550	03.23	34.91	27.81		1472.6						
	STO	00600	03.16	34.89	27.80	00.240	1473.1						
	OBS	00601	03.16	34.89	27.80		1473.1						
	OBS	00651	03.17	34.91	27.82		1474.0						
	STO	00700	03.17	34.90	27.81	00.276	1474.8						
	OBS	00700	03.17	34.90	27.81		1474.8						
	OBS	00750	03.21	34.90	27.81		1475.8						
	STO	00800	03.23	34.90	27.81	00.312	1476.7						
	OBS	00801	03.23	34.90	27.81		1476.7						
	OBS	00837	03.21	34.91	27.82		1477.3						

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 01061	AIR TEMP 06.9	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1407
CONSEC 0125	MONTH 06	SHIP EV	WET BULB 06.8	22 0 2	WIND-SPD 05	TRACE DIR 0	5 SQUARE 1
LAT 50 22.8N	DAY 18	DATA USE 1	BAROMETR 1017.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 00
LONG 050 05.6W	HOUR 15.7	AREA 05	CLOUD T/A	CL/TP	WEATHER A4	ORIG 011 804 11	1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.31	34.01	26.68	00.000	1471.0							
15.7	OBS	00003	05.31	34.01	26.88		1471.0							
	OBS	00005	05.07	33.99	26.89		1470.1							
	STD	00010	04.78	34.13	27.03	00.011	1469.1							
	OBS	00011	04.69	34.20	27.10		1468.9							
	OBS	00015	05.29	34.48	27.25		1471.8							
	STD	00020	05.38	34.48	27.24	00.021	1472.2							
	OBS	00020	05.39	34.48	27.24		1472.3							
	STD	00030	05.40	34.48	27.24	00.029	1472.5							
	OBS	00030	05.40	34.48	27.24		1472.5							
	OBS	00036	03.86	34.30	27.27		1465.9							
	OBS	00040	03.55	34.41	27.38		1464.8							
	OBS	00041	03.59	34.48	27.44		1465.1							
	OBS	00043	03.97	34.57	27.47		1466.9							
	STD	00050	04.21	34.57	27.44 *	00.044	1468.0							
	OBS	00051	04.25	34.57	27.44		1468.2							
	STD	00075	03.82	34.61	27.51	00.055	1466.8							
	OBS	00076	03.80	34.61	27.52		1466.7							
	STD	00100	03.53	34.68	27.60	00.073	1466.1							
	OBS	00100	03.52	34.68	27.60		1466.1							
	OBS	00119	03.33	34.70	27.64		1465.6							
	OBS	00123	02.79	34.66	27.65		1463.3							
	STD	00125	02.79	34.69	27.68	00.085	1463.3							
	OBS	00125	02.80	34.70	27.69		1463.4							
	OBS	00129	03.00	34.74	27.70		1464.4							
	OBS	00139	02.59	34.68	27.69		1462.7							
	STD	00150	02.67	34.71	27.70	00.095	1463.2							
	OBS	00150	02.67	34.71	27.71		1463.3							
	OBS	00175	02.80	34.75	27.73		1464.3							
	STD	00200	02.91	34.79	27.75	00.115	1465.2							
	OBS	00201	02.92	34.79	27.75		1465.3							
	OBS	00226	03.05	34.81	27.75		1466.3							
	STD	00250	03.05	34.83	27.77	00.133	1466.7							
	OBS	00251	03.05	34.83	27.77		1466.7							
	OBS	00276	03.03	34.84	27.78		1467.1							
	STD	00300	03.14	34.84	27.77	00.151	1467.9							
	OBS	00300	03.14	34.84	27.77		1468.0							
	OBS	00350	03.14	34.83	27.76		1468.8							
	STD	00400	03.17	34.87	27.79	00.187	1469.8							
	OBS	00401	03.17	34.87	27.79		1469.8							
	OBS	00451	03.05	34.86	27.79		1470.1							
	STD	00500	03.23	34.89	27.80	00.223	1471.7							
	OBS	00502	03.23	34.89	27.80		1471.7							
	OBS	00553	03.21	34.89	27.80		1472.5							
	STD	00600	03.18	34.88	27.80	00.258	1473.0							
	OBS	00601	03.16	34.88	27.80		1473.1							
	OBS	00651	03.17	34.89	27.80		1473.9							
	STD	00700	03.17	34.90	27.81	00.294	1474.8							
	OBS	00700	03.17	34.90	27.81		1474.8							
	OBS	00750	03.25	34.90	27.80		1475.9							
	STD	00800	03.30	34.90	27.80	00.330	1477.0							
	OBS	00801	03.30	34.90	27.80		1477.0							
	OBS	00850	03.30	34.92	27.81		1477.9							
	STD	00900	03.27	34.91	27.81	00.367	1478.5							
	OBS	00900	03.27	34.91	27.81		1478.6							
	OBS	00944	03.27	34.91	27.81		1479.3							
	OBS	00951	03.25	34.91	27.81		1479.3							
	STD	01000	03.27	34.92	27.82	00.405	1480.2							
	OBS	01001	03.27	34.92	27.82		1480.3							
	OBS	01056	03.32	34.93	27.82		1481.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 01220	AIR TEMP 08.5	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1406
CONSEC 0126	MONTH 06	SHIP EV	WET BULB 07.5	00 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 53 28.0N	DAY 16	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FOR	DURATICA 00.4	2 SQUARE 08
LONG 049 56.8W	HOUR 17.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 905 20	1 SQUARE 05

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	STD	C0000	05.48	33.83	26.71	00.000	1471.4							
	OBS	00005	05.48	33.83	26.71		1471.5							
	OBS	00007	05.04	33.99	26.89		1470.0							
	STD	00010	04.80	34.02	26.95	00.012	1469.1							
	OBS	00011	04.69	34.04	26.97		1468.6							
	STD	00020	04.43	34.05	27.01	00.023	1467.7							
	OBS	00020	04.42	34.06	27.02		1467.7							
	OBS	00026	04.38	34.11	27.06		1467.7							
	STD	00030	03.21	34.14	27.20	00.033	1462.8							
	OBS	00030	03.10	34.14	27.21		1462.4							
	OBS	00036	02.55	34.20	27.27		1461.5							
	OBS	00038	02.71	34.15	27.25		1460.8							
	OBS	00040	02.64	34.22	27.32		1460.7							
	STD	00050	02.43	34.29	27.35	00.049	1460.0							
	OBS	00051	02.41	34.30	27.40		1459.5							
	STD	00075	02.34	34.38	27.47	00.065	1460.2							
	OBS	00076	02.34	34.39	27.48		1460.2							
	OBS	00087	02.42	34.46	27.53		1460.8							
	OBS	00095	02.15	34.48	27.57		1459.8							
	STD	00100	01.98	34.47	27.57	00.080	1459.1							
	OBS	C0100	01.98	34.47	27.57		1459.1							
	OBS	00102	02.00	34.54	27.63		1459.3							
	STD	00125	02.32	34.63	27.67	00.092	1461.2							
	OBS	00125	02.33	34.63	27.67		1461.3							
	STD	00150	02.59	34.68	27.69	00.103	1462.5							
	OBS	C0150	02.59	34.68	27.69		1462.9							
	OBS	00175	02.71	34.72	27.71		1463.5							
	STD	00200	02.88	34.79	27.75	00.123	1465.1							
	OBS	00201	02.89	34.79	27.75		1465.2							
	OBS	00226	03.05	34.82	27.76		1466.3							
	STD	C0250	03.28	34.86	27.77	00.141	1467.8							
	OBS	00251	03.29	34.86	27.77		1467.8							
	OBS	00276	03.27	34.86	27.77		1468.1							
	STD	00300	03.36	34.87	27.77	00.159	1468.5							
	OBS	00300	03.36	34.87	27.77		1468.5							
	OBS	C0350	03.42	34.85	27.78		1470.0							
	STD	00400	03.42	34.90	27.79	00.195	1470.9							
	OBS	00403	03.42	34.90	27.79		1470.9							
	OBS	00451	03.42	34.90	27.79		1471.7							
	STD	00500	03.27	34.89	27.79	00.230	1471.5							
	OBS	00500	03.27	34.89	27.79		1471.9							
	OBS	00550	03.21	34.89	27.80		1472.4							
	STD	00600	03.21	34.89	27.80	00.266	1473.3							
	OBS	00601	03.21	34.89	27.80		1473.3							
	OBS	00652	03.15	34.89	27.80		1474.1							
	STD	C0700	03.16	34.88	27.80	00.302	1474.7							
	OBS	00700	03.16	34.88	27.80		1474.7							
	OBS	00750	03.20	34.89	27.80		1475.7							
	STD	00800	03.17	34.89	27.80	00.335	1476.4							
	OBS	00803	03.17	34.89	27.80		1476.5							
	OBS	C0850	03.17	34.89	27.80		1477.3							
	STD	00900	03.14	34.89	27.81	00.376	1478.0							
	OBS	00900	03.14	34.89	27.81		1478.0							
	OBS	C0953	03.16	34.89	27.80		1478.9							
	STD	01000	03.16	34.89	27.80	00.414	1479.7							
	OBS	01001	03.16	34.89	27.80		1479.7							
	OBS	01060	03.17	34.89	27.80		1480.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 01242	AIR TEMP 08.0	DIR HGT PER	WIND-DIR 25	SNST STD RECORDER	TEN SD 1406
CONSEC 0127	MONTH 06	SHIP EV	WET BULB 07.0	00 X X	WIND-SPD 10	TRACE DIR C	5 SQUARE 2
LAT 50 10.0N	DAY 16	DATA USE 1	BAROMETR 1016.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 08
LONG 049 44.0W	HOUR 20.1	AREA 05	CLCUD 7/A	CL/TR	WEATHER 31	ORIG 011 906	1 SQUARE 09

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.85	34.17	26.94	00.000	1473.4							
20.1	OBS	00001	05.85	34.17	26.94		1473.4							
	OBS	00003	05.77	34.13	26.92		1473.1							
	OBS	00005	05.50	34.16	26.97		1472.0							
	STD	00010	05.46	34.16	26.98	00.011	1471.9							
	OBS	00011	05.43	34.17	26.99		1471.9							
	STD	00020	05.06	34.24	27.09	00.021	1470.6							
	OBS	00020	05.03	34.25	27.10		1470.5							
	OBS	00022	04.96	34.21	27.08		1470.2							
	OBS	00024	03.25	34.23	27.27		1463.0							
	OBS	00026	02.61	34.27	27.36		1460.4							
	OBS	00028	02.34	34.30	27.41		1459.3							
	STD	00030	02.30	34.33	27.43	00.030	1459.1							
	OBS	00030	02.29	34.34	27.44		1459.1							
	OBS	00036	02.55	34.37	27.44		1460.6							
	OBS	00038	02.35	34.34	27.44		1459.5							
	OBS	00040	02.32	34.41	27.50		1459.5							
	OBS	00045	02.75	34.47	27.51		1461.6							
	STD	00050	02.73	34.46	27.50	00.042	1461.5							
	OBS	00051	02.61	34.39 P	27.4500									
	OBS	00053	02.34	34.41	27.49		1459.8							
	OBS	00066	02.40	34.46	27.53		1460.4							
	STD	00075	02.01	34.43	27.54	00.057	1458.8							
	OBS	00076	01.99	34.43	27.54		1458.7							
	OBS	00078	01.97	34.46	27.56		1458.7							
	STD	00100	02.20	34.55	27.61	00.070	1460.2							
	OBS	00100	02.21	34.55	27.62		1460.2							
	STD	00125	02.58	34.67	27.68	00.081	1462.4							
	OBS	00125	02.61	34.68	27.69		1462.6							
	OBS	00127	02.70	34.72	27.71		1463.0							
	OBS	00133	03.05	34.75	27.70		1464.7							
	STD	00150	02.71	34.73	27.72	00.092	1463.5							
	OBS	00150	02.71	34.73	27.72		1463.5							
	OBS	00175	02.78	34.77	27.74		1464.2							
	STD	00200	03.06	34.84	27.77	00.110	1466.0							
	OBS	00201	03.08	34.84	27.77		1466.1							
	OBS	00226	03.29	34.86	27.77		1467.4							
	STD	00250	03.29	34.86	27.77	00.128	1467.8							
	OBS	00253	03.29	34.86	27.77		1467.8							
	OBS	00276	03.45	34.88	27.77		1468.9							
	STD	00300	03.45	34.89	27.78	00.146	1469.3							
	OBS	00300	03.45	34.89	27.78		1469.3							
	OBS	00350	03.42	34.90	27.79		1470.0							
	STD	00400	03.33	34.89	27.79	00.182	1470.5							
	OBS	00403	03.32	34.89	27.79		1470.5							
	OBS	00451	03.27	34.89	27.79		1471.1							
	STD	00500	03.27	34.90	27.80	00.217	1471.9							
	OBS	00500	03.27	34.90	27.80		1471.9							
	OBS	00550	03.27	34.90	27.80		1472.7							
	STD	00600	03.21	34.90	27.81	00.252	1473.3							
	OBS	00601	03.21	34.90	27.81		1473.3							
	OBS	00652	03.20	34.90	27.81		1474.1							
	STD	00700	03.16	34.90	27.81	00.287	1474.7							
	OBS	00702	03.16	34.90	27.81		1474.8							
	OBS	00750	03.17	34.89	27.80		1475.6							
	STD	00800	03.16	34.89	27.80	00.323	1476.4							
	OBS	00801	03.16	34.89	27.80		1476.4							
	OBS	00850	03.16	34.89	27.80		1477.2							
	STD	00900	03.14	34.90	27.81	00.359	1478.0							
	OBS	00932	03.14	34.90	27.81		1478.0							
	OBS	00951	03.16	34.90	27.81		1478.9							
	STD	01000	03.20	34.90	27.81	00.396	1479.9							
	OBS	01001	03.20	34.90	27.81		1479.9							
	OBS	01052	03.21	34.91	27.82		1480.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIO 31 0463	YEAR 1975	BOTOP 01013	AIR TEMP 06.5	DIR HGT PER	WIND-DIR 25	INST STD RECORDER			TEN SO 1406
CONSEC 0128	MONTH 06	SHIP EV	WET BULB 06.5	00 A A	WIND-SPD 08	TRACE DIR	0		5 SQUARE 2
LAT 50 06.0N	DAY 16	DATA USE 1	BAROMETR 1016.2	SEA	WIND-FOR	DURATION	00.4		2 SQUARE 08
LONG 049 55.5W	HOUR 22.1	AREA 05	CLOUD 1/A	CL/TR	WEATHER A1	ORIG 011 907			1 SQUARE 09

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.22	34.15	27.03	00.000	1470.8							
22.1	OBS	00001	05.22	34.19	27.03		1470.9							
	OBS	00005	04.90	34.13	27.02		1469.9							
	OBS	00007	04.70	34.18	27.08		1468.8							
	STD	00010	04.69	34.19	27.09	00.010	1468.8							
	OBS	00011	04.69	34.19	27.09		1468.8							
	OBS	00013	04.61	34.18	27.09		1468.5							
	STD	00020	03.65	34.44	27.40	00.019	1464.9							
	OBS	00020	03.58	34.46	27.42		1464.7							
	OBS	00028	03.63	34.52	27.46		1465.1							
	STD	00030	03.53	34.50	27.45	00.025	1464.7							
	OBS	00032	03.36	34.48	27.46		1464.0							
	OBS	00034	03.23	34.49	27.48		1463.5							
	OBS	00038	03.13	34.50	27.50		1463.1							
	OBS	00040	03.17	34.51	27.50		1463.3							
	STD	00050	02.72	34.52	27.55	00.037	1461.6							
	OBS	00051	02.67	34.52	27.55		1461.4							
	STD	00075	02.43	34.58	27.62	00.050	1460.8							
	OBS	00076	02.42	34.58	27.62		1460.8							
	OBS	00083	02.32	34.58	27.63		1460.5							
	STD	00100	02.46	34.64	27.66	00.062	1461.4							
	OBS	00100	02.47	34.64	27.67		1461.5							
	STD	00125	02.57	34.69	27.70	00.072	1462.4							
	OBS	00125	02.57	34.69	27.70		1462.4							
	STD	00150	02.78	34.74	27.72	00.082	1463.8							
	OBS	00150	02.78	34.74	27.72		1463.8							
	OBS	00175	02.89	34.79	27.75		1464.7							
	STD	00200	03.08	34.82	27.75	00.102	1466.0							
	OBS	00201	03.09	34.82	27.75		1466.1							
	OBS	00226	03.15	34.84	27.77		1466.8							
	STD	00250	03.05	34.84	27.77	00.120	1466.7							
	OBS	00251	03.05	34.84	27.77		1466.7							
	OBS	00277	03.07	34.84	27.77		1467.3							
	STD	00300	03.09	34.84	27.77	00.137	1467.7							
	OBS	00300	03.09	34.84	27.77		1467.7							
	OBS	00350	03.11	34.86	27.78	--	1468.7							
	STD	00400	03.23	34.88	27.79	00.173	1470.0							
	OBS	00401	03.23	34.88	27.79		1470.1							
	OBS	00451	03.21	34.88	27.79		1470.8							
	STD	00500	03.11	34.88	27.80	00.206	1471.2							
	OBS	00500	03.11	34.88	27.80		1471.2							
	OBS	00552	03.17	34.88	27.80		1472.3							
	STD	00600	03.13	34.89	27.81	00.243	1472.9							
	OBS	00601	03.13	34.89	27.81		1473.0							
	OBS	00651	03.17	34.89	27.80		1473.9							
	STD	00700	03.17	34.89	27.80	00.278	1474.7							
	OBS	00750	03.16	34.89	27.80		1475.6							
	STD	00800	03.20	34.90	27.81	00.314	1476.6							
	OBS	00801	03.20	34.90	27.81		1476.6							
	OBS	00850	03.17	34.89	27.80		1477.3							
	STD	00900	03.20	34.90	27.81	00.351	1478.2							
	OBS	00900	03.20	34.90	27.81		1478.2							
	OBS	00951	03.21	34.91	27.82		1479.2							
	STD	01000	03.25	34.92	27.82	00.388	1480.1							
	OBS	01001	03.25	34.92	27.82		1480.2							
	OBS	01005	03.25	34.92	27.82		1480.2							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 00668	AIR TEMP 05.8	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1407
CONSEC 0125	MONTH 06	SHIP EV	WET BULB 05.7	00 X A	WIND-SPD 10	TRACE DIR 0	9 SQUARE 1
LAT 50 02.0N	DAY 17	CATA USE 1	BAROMETR 1015.8	SEA	WIND-FOR	DURATICN 00.2	2 SQUARE 00
LONG 050 10.2W	HOUR 00.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	ORIG 011 908	1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.84	33.57	26.69	00.000	1464.3						
00.0	OBS	00001	03.84	33.57	26.69		1464.3						
	OBS	00003	04.04	33.63	26.72		1465.2						
	OBS	00009	05.30	34.46	27.23		1471.7						
	STD	00010	05.29	34.47	27.24	00.011	1471.6						
	OBS	00011	05.25	34.49	27.26		1471.6						
	OBS	00013	05.21	34.51	27.28		1471.4						
	OBS	00017	04.54	34.45	27.34		1468.7						
	STD	00020	04.15	34.44	27.35	00.015	1467.0						
	OBS	00020	04.00	34.43	27.35		1466.4						
	OBS	00024	03.26	34.44	27.44		1463.4						
	STD	00030	03.57	34.57	27.51	00.026	1465.0						
	OBS	00030	03.58	34.58	27.52		1465.0						
	OBS	00036	03.36	34.55	27.51		1464.1						
	OBS	00040	02.66	34.48	27.52		1461.1						
	OBS	00045	01.95	34.45	27.56		1458.0						
	STD	00050	01.90	34.48	27.58	00.037	1457.9						
	OBS	00051	01.89	34.48	27.59		1457.9						
	OBS	00057	01.87	34.48	27.59		1457.9						
	STD	00075	01.96	34.52	27.61	00.049	1458.7						
	OBS	00076	01.96	34.52	27.61		1458.8						
	OBS	00089	02.34	34.58	27.63		1460.7						
	OBS	00091	02.77	34.66	27.66		1462.7						
	STD	00100	02.64	34.66	27.66	00.061	1463.1						
	OBS	00100	02.64	34.66	27.67		1463.1						
	STD	00125	02.75	34.73	27.71	00.071	1463.2						
	OBS	00125	02.75	34.73	27.71		1463.2						
	STD	00150	02.77	34.75	27.73	00.081	1463.7						
	OBS	00150	02.77	34.75	27.73		1463.8						
	OBS	00175	02.78	34.77	27.74		1464.2						
	STD	C0200	02.85	34.80	27.76	00.100	1465.0						
	OBS	00205	02.86	34.80	27.76		1465.1						
	OBS	00228	02.89	34.81	27.73		1465.6						
	STD	00250	02.91	34.82	27.77	00.118	1466.1						
	OBS	00251	02.51	34.82	27.77		1466.1						
	OBS	00277	02.92	34.84	27.79		1466.6						
	STD	C0300	02.96	34.84	27.78	00.136	1467.2						
	OBS	00300	02.96	34.84	27.78		1467.3						
	OBS	00352	03.05	34.85	27.78		1468.4						
	STD	C0400	03.03	34.86	27.79	00.170	1469.2						
	OBS	00403	03.03	34.86	27.79		1469.2						
	OBS	00453	03.07	34.87	27.80		1470.2						
	STD	00500	03.07	34.87	27.80	00.205	1471.0						
	OBS	00500	03.07	34.87	27.80		1471.0						
	OBS	00552	03.09	34.88	27.80		1471.9						
	STD	00600	03.11	34.88	27.80	00.241	1472.8						
	OBS	00601	03.11	34.88	27.80		1472.9						
	OBS	00651	03.11	34.88	27.80		1473.7						
	OBS	00668	03.11	34.89	27.81		1474.0						

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

FEFIO 31 8463	YEAR 1975	BOTOP 00342	AIR TEMP 06.5	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SO 1307
CONSEC 0130	MONTH 06	SHIP EV	WET BULB 05.9	00 X X	WIND-SPO 09	TRACE DIR 0	5 SQUARE 3
LAT 49 56.0N	DAY 17	DATA USE 1	BAROMETR 1015.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LONG 050 24.0W	HOUR 01.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	DATG 011 909	1 SQUARE 90

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.86	33.15	26.48	00.000	1459.5							
01.8	OBS	00003	02.86	33.19	26.48		1459.6							
	OBS	00007	02.60	33.20	26.51		1458.6							
	STO	00010	02.55	33.24	26.54	00.015	1458.4							
	OBS	00011	02.55	33.27	26.57		1458.5							
	STO	00020	03.06	33.74	26.90	00.029	1461.5							
	OBS	00020	03.11	33.76	26.91		1461.7							
	OBS	00024	02.86	33.79	26.95		1460.8							
	OBS	00026	02.09	33.78	27.01		1457.4							
	STO	00030	00.54	33.79	27.12	00.039	1450.6							
	OBS	00030	00.38	33.79	27.13		1449.9							
	OBS	00040	00.69	34.03	27.31		1451.7							
	OBS	00041	00.66	34.09	27.36		1451.7							
	OBS	00043	00.88	34.10	27.35		1452.8							
	STO	00050	00.75	34.10	27.36	00.056	1452.3							
	OBS	00051	00.75	34.11	27.37		1452.3							
	OBS	00064	01.27	34.26	27.45	-	1455.1							
	OBS	00066	01.90	34.31	27.45		1458.0							
	OBS	00072	01.91	34.28	27.42 •		1458.1							
	STO	00075	01.67	34.29	27.45	00.073	1457.1							
	OBS	00076	01.57	34.29	27.46		1456.6							
	OBS	00078	02.21	34.39	27.49		1459.6							
	OBS	00081	02.53	34.42	27.49		1461.1							
	STO	00100	01.83	34.37	27.50	00.089	1458.3							
	OBS	00100	01.82	34.37	27.50		1458.3							
	OBS	00110	01.78	34.44	27.56		1458.3							
	OBS	00114	02.09	34.45B	27.55		1459.8							
	OBS	00119	02.20	34.49	27.57		1460.4							
	OBS	00123	02.67	34.57	27.59		1462.6							
	STO	00125	02.62	34.55	27.58	00.103	1462.4							
	OBS	00125	02.54	34.54	27.58		1462.1							
	OBS	00127	02.09	34.49	27.58		1460.1							
	STO	00150	02.19	34.58	27.64	00.115	1461.0							
	OBS	00150	02.19	34.58	27.64		1461.0							
	OBS	00175	02.45	34.65	27.68		1462.6							
	STO	00200	02.76	34.73	27.71	00.137	1464.5							
	OBS	00201	02.77	34.73	27.71		1464.6							
	OBS	00226	02.77	34.77	27.74		1465.0							
	STO	00250	02.91	34.80	27.75	00.156	1466.0							
	OBS	00251	02.91	34.80	27.76		1466.1							
	OBS	00276	02.94	34.83	27.78		1466.7							
	STO	00300	02.97	34.83	27.77	00.175	1467.2							
	OBS	00300	02.97	34.83	27.77		1467.2							
	OBS	00329	03.00	34.84	27.78		1467.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFID 31 8463	YEAR 1975	BOTOP 00326	AIR TEMP 00.3	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1307
CONSEC 0131	MONTH 06	SHIP EV	WET BULB 00.3	CO X X	WIND-SPD 0B	TRACE DIR C	5 SQUARE 3
LAT 49 54.0N	DAY 17	DATA USE 1	BARCHETA 1015.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LONG 350 35.2W	HOUR 04.0	AREA 05	CLOUD T/A	CL/TA	WEATHER X8	ORIG 011 910	1 SQUARE 90

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAY G	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.88	32.84	26.10	00.000	1463.4							
04.0	OBS	00001	03.88	32.84	26.10		1463.5							
	OBS	00003	03.25	32.98	26.28		1461.0							
	OBS	00005	02.96	33.08	26.38		1459.5							
	STD	00010	02.89	33.09	26.39	00.018	1459.7							
	OBS	00013	02.83	33.05	26.40		1459.5							
	OBS	00019	02.69	33.10	26.42		1459.0							
	STD	00020	02.56	33.12	26.44	00.034	1458.4							
	OBS	00020	02.45	33.13	26.46		1458.0							
	STD	00030	02.29	33.29	26.60	00.045	1457.7							
	OBS	00030	02.29	93.30	26.61		1457.7							
	OBS	00045	02.42	33.47G	26.74		1458.8							
	OBS	00049	02.04	33.450	26.75		1457.1							
	STD	00050	01.75	33.46	26.78	00.076	1455.5							
	OBS	00051	01.35	33.51	26.85		1454.2							
	OBS	00053	01.79	33.66	26.94		1456.4							
	OBS	00055	02.00	33.71	26.96		1457.4							
	OBS	00059	01.95	33.79	27.06		1455.6							
	OBS	00060	02.07	33.90	27.11		1456.1							
	OBS	00064	02.22	33.91	27.10		1456.8							
	OBS	00066	01.80	33.90	27.13		1457.0							
	OBS	00070	01.49	33.87	27.13		1455.6							
	OBS	00072	00.07	33.85	27.20		1449.2							
	OBS	00074	- 0.06	33.91	27.25		1448.7							
	STD	00075	- 0.04	33.91	27.25	00.103	1448.8							
	OBS	00076	- 0.01	33.92	27.26		1449.0							
	STD	00100	00.97	34.14	27.38	00.122	1454.1							
	OBS	00100	01.02	34.15	27.38		1454.4							
	OBS	00118	02.21	34.34	27.45		1460.2							
	OBS	00119	01.89	34.28	27.44		1457.9							
	STD	00125	01.42	34.29	27.47	00.139	1456.8							
	OBS	00125	01.40	34.29	27.47		1456.7							
	OBS	00137	01.64	34.37	27.52		1458.1							
	OBS	00140	03.71	34.63	27.54		1467.5							
	OBS	00144	03.54	34.61	27.54		1466.8							
	OBS	00148	03.08	34.53	27.52		1464.7							
	OBS	00148	02.86	34.59	27.59		1463.9							
	STD	00150	02.81	34.57	27.58	00.153	1463.7							
	OBS	00150	02.80	34.57	27.58		1463.6							
	OBS	00154	02.73	34.55	27.57		1463.4							
	OBS	00158	02.09	34.50	27.59		1460.6							
	OBS	00175	02.16	34.57	27.64		1461.3							
	STD	00200	02.32	34.63	27.67	00.177	1462.5							
	OBS	00201	02.34	34.63	27.67		1462.6							
	OBS	00226	02.64	34.71	27.71		1464.4							
	STD	00250	02.66	34.75	27.74	00.198	1464.9							
	OBS	00251	02.67	34.75	27.74		1465.0							
	OBS	00276	02.84	34.79	27.75		1466.2							
	STD	00300	03.02	34.84	27.78	00.217	1467.4							
	OBS	00300	03.02	34.84	27.78		1467.4							
	OBS	00321	03.02	34.85	27.79		1467.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N C O C   S T A T I O N   D A T A

REFID 31 8463	YEAR 1975	BOTOP 00302	AIR TEMP 05.1	DIR FCT PER	WIND-DIR 24	INST STO RECORDER	TEN SQ 1307
CONSEC 0132	MONTH 06	SHIP EV	WET BULB 05.1	00 X X	WIND-SPD 07	TRACE DIR C	5 SQUARE 3
LAT 49 49.0N	DAY 17	DATA USE 1	BAROMETR 1018.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 80
LONG 050 52.6W	HOUR 05.9	AREA 05	CLCUO T/A	CL/TR	WEATHER X5	ORIG 011 911	1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	03.65	32.85	26.13	00.000	1462.5							
05.9	OBS	00001	03.65	32.85	26.13		1462.5							
	OBS	00003	03.65	32.86	26.15		1462.4							
	OBS	00007	02.91	32.92	26.26		1459.5							
	STO	00010	02.87	32.96	26.29	00.018	1459.5							
	OBS	00011	02.84	32.97	26.30		1459.3							
	OBS	00017	02.60	32.95	26.31		1458.4							
	STO	00020	01.90	32.94	26.36	00.035	1455.3							
	OBS	C0020	01.88	32.94	26.37		1454.4							
	OBS	00022	01.21	33.02	26.46		1452.4							
	STO	00030	00.99	33.05	26.50	00.051	1451.6							
	OBS	00030	00.93	33.06	26.51		1451.3							
	OBS	00034	00.33	33.22	26.66		1448.9							
	OBS	00038	- 0.60	33.29	26.77		1444.8							
	OBS	00040	- 0.77	33.29	26.78		1444.0							
	OBS	00041	- 1.16	33.32	26.82		1442.3							
	OBS	00045	- 1.33	33.42	26.90		1441.7							
	OBS	00047	- 1.10	33.43	26.91		1442.8							
	OBS	00049	- 1.21	33.45	26.93		1442.3							
	STO	00050	- 1.17	33.47	26.94	00.078	1442.6							
	OBS	00051	- 1.05	33.53	26.99		1443.2							
	OBS	00064	- 0.73	33.65	27.07		1445.1							
	OBS	00072	- 0.13	33.74	27.12		1448.1							
	OBS	00074	- 0.47	33.75	27.14		1446.6							
	STO	00075	- 0.48	33.75	27.14	00.104	1446.6							
	OBS	00076	- 0.48	33.76	27.15		1446.6							
	STO	00100	00.29	33.96	27.28	00.125	1450.8							
	OBS	00100	00.31	33.97	27.28		1450.9							
	STO	00125	00.79	34.15	27.39	00.144	1453.8							
	OBS	00125	00.80	34.15	27.40		1453.8							
	STO	C0150	01.31	34.32	27.50	00.160	1456.7							
	OBS	00150	01.32	34.32	27.50		1456.8							
	OBS	00169	01.76	34.41	27.54		1459.2							
	OBS	00175	01.82	34.40	27.54		1458.6							
	STO	00200	01.91	34.52	27.61	00.188	1460.5							
	OBS	00203	01.96	34.53	27.62		1460.8							
	OBS	00226	02.32	34.60	27.65		1462.8							
	STO	00250	02.51	34.67	27.69	00.211	1464.1							
	OBS	00253	02.53	34.68	27.69		1464.3							
	OBS	00276	02.69	34.74	27.73		1465.5							
	STO	C0300	02.87	34.79	27.75	00.231	1466.7							
	OBS	00300	02.88	34.79	27.75		1466.8							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00291	AIR TEMP 06.3	DIR FCT PER	WIND-DIR 26	INST STO RECORDER	TEN SQ 1307
CONSEC 0133	MONTH 06	SHIP EV	WET BULB 06.2	00 X X	WIND-SPO 04	TRACE DIR 0	5 SQUARE 3
LAT 49 44.8N	DAY 17	DATA USE 1	BAROMETR 1014.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80
LONG 051 04.0W	HOUR 07.3	AREA 05	CLOUD 7/A	CL/TR	WEATHER A4	ORIG 011 912	1 SQUARE 91

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	03.77	33.10	26.32	00.000	1463.3							
07.3	OBS	00003	03.77	33.10	26.32		1463.4							
	STO	00010	03.14	33.21	26.46	00.016	1461.0							
	OBS	00011	02.98	33.23	26.50		1460.3							
	STO	00020	02.44	33.37	26.65	00.031	1458.3							
	OBS	00022	01.32	33.42	26.78		1453.5							
	OBS	00024	00.30	33.46	26.87		1448.9							
	OBS	00026	00.30	33.52	26.92		1449.0							
	STO	00030	00.04	33.56	26.96	00.044	1448.0							
	OBS	00030	00.01	33.56	26.97		1447.8							
	OBS	00036	- 0.09	33.58	26.99		1447.5							
	OBS	00038	- 0.32	33.61	27.02		1446.5							
	OBS	00041	- 0.47	33.63	27.04		1445.9							
	STO	00050	- 0.30	33.75	27.13	00.064	1447.0							
	OBS	00051	- 0.25	33.77	27.15		1447.3							
	OBS	00057	00.03	33.86	27.21		1448.8							
	OBS	00059	00.50	33.89	27.21		1451.0							
	OBS	00062	00.40	33.88	27.20		1450.6							
	OBS	00066	00.58	33.93	27.23		1451.6							
	STO	00075	00.49	33.95	27.26	00.086	1451.3							
	OBS	00078	00.48	33.96	27.26		1451.3							
	OBS	00091	00.58	34.10	27.37		1452.2							
	OBS	00093	00.94	34.12	27.36		1453.9							
	OBS	00095	01.01	34.13	27.37		1454.2							
	OBS	00099	01.27	34.17	27.38		1455.5							
	STO	00100	01.32	34.18	27.38	00.105	1455.8							
	OBS	00100	01.36	34.18	27.38		1456.0							
	OBS	00102	01.41	34.17	27.37		1456.2							
	OBS	00104	01.24	34.14	27.36		1455.4							
	OBS	00108	01.49	34.21	27.40		1456.7							
	OBS	00110	01.51	34.19	27.38		1456.8							
	OBS	00112	01.23	34.18	27.39		1455.6							
	OBS	00116	01.23	34.21	27.42		1455.7							
	STO	00125	01.67	34.27	27.43	00.122	1457.8							
	OBS	00125	01.67	34.27	27.43		1457.9							
	OBS	00135	01.30	34.30	27.48		1456.4							
	OBS	00144	01.94	34.37	27.49		1459.5							
	STO	00150	01.94	34.35	27.48	00.138	1459.6							
	OBS	00150	01.94	34.35	27.48		1459.6							
	OBS	00175	01.87	34.48	27.59		1459.9							
	STO	00200	02.32	34.55	27.64	00.166	1462.4							
	OBS	00201	02.34	34.60	27.65		1462.5							
	OBS	00230	02.58	34.69	27.70		1464.2							
	STO	00250	02.72	34.74	27.72	00.187	1465.2							
	OBS	00251	02.73	34.74	27.72		1465.2							
	OBS	00276	02.80	34.76	27.73		1466.0							
	OBS	00287	02.94	34.81	27.76		1466.8							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 A463	YEAR 1975	BOTOP 00262	AIR TEMP 05.4	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1307
CONSEC 0134	MONTH 06	SHIP EV	WET BULB 05.2	00 X X	WIND-SPD 0T	TRACE DIR 0	5 SQUARE 3
LAT 49 39.2N	DAY 17	DATA USE 1	BARCMETR 1014.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80
LONG 051 18.0W	HOUR 09.0	AREA 05	CLOUD T/4	CL/TR	WEATHER X4	ORIG 011 913 09	1 SQUARE 91

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.21	32.99	26.19	00.000	1465.0							
09.0	OBS	00001	04.21	32.99	26.19		1465.1							
	OBS	00003	03.29	33.06	26.34		1461.3							
	STD	00010	02.84	33.12	26.43	00.017	1459.6							
	OBS	00011	02.78	33.14	26.44		1459.3							
	STD	00020	02.70	33.25	26.53	00.033	1459.3							
	OBS	00020	02.69	33.25	26.54		1459.2							
	OBS	00026	02.61	33.25	26.55		1459.0							
	STD	00030	02.02	33.28	26.62	00.048	1456.5							
	OBS	00030	01.97	33.29	26.63		1456.3							
	OBS	00034	01.88	33.43	26.75		1456.1							
	OBS	00038	02.28	33.54	26.80		1458.1							
	OBS	00041	00.77	33.53	26.90		1451.4							
	OBS	00043	01.49	33.59	26.90		1454.8							
	STD	00050	01.18	33.59	26.92	00.073	1453.5							
	OBS	00051	00.99	33.59	26.94		1452.7							
	OBS	00053	00.66	33.60	26.96		1451.2							
	OBS	00057	- 0.11	33.59	27.00		1447.8							
	OBS	00060	- 0.52	33.66	27.07		1446.0							
	OBS	00062	- 0.54	33.68	27.09		1446.0							
	OBS	00072	- 0.24	33.79	27.16		1447.7							
	STD	00075	- 0.00	33.80	27.16	0C.099	1448.8							
	OBS	00076	00.07	33.80	27.16		1449.2							
	OBS	00081	00.24	33.81	27.16		1450.1							
	OBS	00083	- 0.05	33.82	27.18		1448.8							
	OBS	00091	- 0.15	33.88	27.23		1448.6							
	OBS	00093	- 0.03	33.90	27.24		1449.2							
	OBS	00097	00.35	33.94	27.25		1451.0							
	OBS	00099	00.30	33.92	27.24		1450.8							
	STD	00100	00.34	33.95	27.26	00.121	1451.0							
	OBS	00102	00.44	34.01	27.31		1451.6							
	STD	00125	00.74	34.15	27.40	00.140	1453.5							
	OBS	00127	00.77	34.16	27.41		1453.7							
	STD	00150	01.09	34.23	27.44	00.156	1455.7							
	OBS	00150	01.10	34.23	27.44		1455.7							
	OBS	00175	01.57	34.38	27.53	..	1458.4							
	STD	00200	01.98	34.50	27.60	00.185	1460.8							
	OBS	00201	02.00	34.51	27.60		1460.9							
	OBS	00226	02.25	34.60	27.65		1462.5							
	STD	00250	02.25	34.60	27.65	00.210	1462.5							
	OBS	00251	02.25	34.60	27.65		1463.0							
	OBS	00258	02.26	34.60	27.65		1463.1							

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REFID 31 8463	YEAR 1975	BOTOP 00227	AIR TEMP 07.5	DIR HGT FER	WIND-DIR 22	INST STD RECORDER	TEN SO 1307
CONSEC 0135	MONTH 06	SHIP EV	WET BULB 07.0	00 X X	WIND-SPD 08	TRACE DIR 0	5 SQUARE 3
LAT 49 34.8N	DAY 17	DATA USE 1	BARCMETR 1014.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80
LONG 051 33.3W	HOUR 10.5	AREA 05	CLOUD T/4	CL/TR	WEATHER X2	ORIG 011 914	1 SQUARE 91

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.82	31.39	24.86	00.000	1465.5							
10.5	OBS	00001	04.82	31.39	24.86		1465.5							
	OBS	00003	04.39	31.52	25.01		1463.9							
	OBS	00007	02.90	32.11	25.61		1458.4							
	STD	00010	01.40	32.33	25.90	00.026	1452.1							
	OBS	00011	00.75	32.49	26.07		1449.4							
	OBS	00013	00.13	32.75	26.31		1447.0							
	STD	00020	00.31	32.88	26.40	00.045	1449.1							
	OBS	00020	00.92	32.89	26.41		1448.2							
	OBS	00028	00.36	32.92	26.43		1448.5							
	STD	00030	00.19	32.91	26.44	00.061	1447.8							
	OBS	00030	00.14	32.91	26.44		1447.5							
	OBS	00049	- 0.26	33.08	26.59		1446.2							
	STD	00050	- 0.21	33.08	26.59	00.092	1446.5							
	OBS	00053	- 0.03	33.09	26.59		1447.4							
	OBS	00055	- 0.05	33.12	26.61		1447.4							
	OBS	00059	- 0.80	33.13	26.65		1444.0							
	OBS	00070	- 1.15	33.44	26.92		1442.8							
	STD	00075	- 1.15	33.51	26.98	00.123	1443.1							
	OBS	00076	- 1.14	33.53	26.99		1443.2							
	STD	00100	- 0.73	33.75	27.15	00.148	1446.0							
	OBS	00100	- 0.71	33.76	27.16		1446.0							
	STD	00125	- 0.18	33.95	27.29	00.170	1449.1							
	OBS	00125	- 0.17	33.95	27.29		1449.1							
	STD	00150	00.26	34.07	27.36	00.189	1451.7							
	OBS	00150	00.27	34.07	27.36		1451.7							
	OBS	00175	00.72	34.19	27.43		1454.3							
	OBS	00199	01.12	34.31	27.50		1456.7							
	STD	00200	01.13	34.31	27.51	00.222	1456.7							
	OBS	00205	01.44	34.38	27.54		1458.3							
	OBS	00222	01.75	34.40	27.53		1460.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

MOOC STATION DATA

REFIO 31 8463	YEAR 1975	BOTOP 002T6	AIR TEMP 07.0	DIR HGT PER	WIND-DIR 26	INST STO RECORDER	TEN SG 1307
CONSEC 013E	MONTH 06	SHIP EV	WET BULB 06.7	00 X X	WIND-SPD 09	TRACE DIR 0	5 SQUARE 3
LAT 49 31.0N	DAY 17	DATA USE 1	BAROMETA 1029.9	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LONG 051 53.0W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 915 21	1 SQUARE 91

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	03.85	31.02	24.66	00.000	1463.9							
12.1	OBS	00001	03.85	31.02	24.66		1460.5							
	OBS	00005	03.46	31.27	24.90		1459.6							
	OBS	00009	02.54	31.91	25.48		1456.6							
	STO	00010	02.23	32.02	25.60	00.028	1455.4							
	OBS	00015	00.15	32.65	26.39		1447.2							
	STO	00020	00.67	32.91	26.41	00.045	1445.8							
	OBS	00022	00.63	32.94	26.42		1450.6							
	STO	00030	00.65	32.96	26.45	00.065	1449.9							
	OBS	00032	00.60	32.97	26.46		1449.7							
	OBS	00036	00.50	32.98	26.47		1449.4							
	OBS	00040	00.13	32.92	26.44 •		1447.7							
	OBS	00041	- 0.11	32.59	26.51		1446.7							
	STO	00050	- 0.46	33.11	26.62	00.095	1445.4							
	OBS	00051	- 0.52	33.13	26.64		1445.1							
	OBS	00068	- 1.32	33.36	26.86		1442.0							
	STO	00075	- 1.26	33.43	26.91	00.127	1442.5							
	OBS	00076	- 1.25	33.44	26.92		1442.6							
	STO	00100	- 0.99	33.66	27.05	00.153	1444.5							
	OBS	00100	- 0.58	33.67	27.10		1444.6							
	STO	00125	- 0.53	33.84	27.21	00.176	1447.3							
	OBS	00125	- 0.52	33.84	27.22		1447.4							
	STO	00150	- 0.14	33.93	27.27	00.197	1445.7							
	OBS	00150	- 0.13	33.93	27.27		1449.7							
	OBS	00175	00.20	34.06	27.37		1451.8							
	STO	00200	00.81	34.18	27.42	00.234	1455.1							
	OBS	00201	00.85	34.19	27.43		1455.4							
	OBS	00226	01.46	34.35	27.51		1458.7							
	OBS	00234	01.80	34.45	27.57		1460.5							

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REFIO 31 8463	YEAR 1975	BOTOP 00324	AIR TEMP 06.0	DIR HGT PER	WIND-DIR 24	INST STO RECORDER	TEN SO 1307
CONSEC 0137	MONTH 06	SHIP EV	WET BULB 05.8	00 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 3
LAT 49 26.0N	DAY 17	DATA USE 1	BAROMETR 1016.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 82
LONG 052 01.5W	HOUR 13.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 516 19	1 SQUARE 92

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.32	30.64	24.49	00.000	1453.7							
13.7	OBS	00003	02.32	30.64	24.49		1453.8							
	STO	00010	01.80	31.73	25.39	00.030	1453.0							
	OBS	00011	01.55	31.90	25.55		1452.2							
	OBS	00013	01.14	32.09	25.72		1450.7							
	STO	00020	- 0.13	32.65	26.24	00.052	1445.8							
	OBS	00020	- 0.32	32.68	26.27		1444.9							
	OBS	00024	- 1.18	32.70	26.32		1441.0							
	OBS	00028	- 1.13	32.82	26.41		1441.5							
	STO	00030	- 0.63	32.84	26.41	00.065	1443.8							
	OBS	00030	- 0.52	32.84	26.41		1444.4							
	OBS	00034	- 0.74	32.85	26.42		1443.4							
	OBS	00038	- 0.77	32.85	26.46		1443.4							
	OBS	00040	- 0.43	32.90	26.45		1445.1							
	STO	00050	- 0.41	32.99	26.53	00.101	1445.4							
	OBS	00051	- 0.40	33.00	26.53		1445.5							
	OBS	00060	- 0.24	33.05	26.57		1446.5							
	OBS	00072	- 0.83	33.10	26.63		1443.5							
	OBS	00074	- 1.11	33.12	26.66		1442.8							
	STO	00075	- 1.08	33.15	26.68	00.137	1442.9							
	OBS	00076	- 1.05	33.18	26.70		1443.1							
	STO	00100	- 1.22	33.38	26.87	00.169	1443.0							
	OBS	00100	- 1.23	33.40	26.89		1443.0							
	OBS	00102	- 1.25	33.44	26.92		1443.0							
	STO	00125	- 0.99	33.63	27.06	00.196	1444.9							
	OBS	00125	- 0.98	33.63	27.06		1444.9							
	STO	00150	- 0.56	33.80	27.19	00.220	1447.5							
	OBS	00152	- 0.52	33.82	27.20		1447.8							
	OBS	00169	- 0.17	33.95	27.29		1449.9							
	OBS	00175	00.52	34.01	27.30		1453.2							
	STO	00200	00.92	34.13	27.37	00.260	1455.6							
	OBS	00203	00.99	34.16	27.39		1456.0							
	OBS	00211	01.14	34.23	27.44		1456.5							
	OBS	00215	01.26	34.25	27.45		1457.5							
	OBS	00226	01.40	34.30	27.48		1458.4							
	STO	00250	01.59	34.37	27.52	00.292	1459.7							
	OBS	00251	01.61	34.38	27.53		1459.8							
	OBS	00276	02.07	34.52	27.60		1462.5							
	STO	00300	02.15	34.54	27.61	00.315	1463.2							
	OBS	00302	02.16	34.54	27.61		1463.3							
	OBS	00321	02.23	34.57	27.63		1464.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

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PEFID  51  8463    YEAR 1975    BOTDP 00335    AIR TEMP  06.8    DIR HGT PER    WIND-DIR 30    INST STD RECORDER     TLN SO 1307
CONSEC     0138    MONTH  06    SHIP EV        WET BULB  06.4    DD  X   X      WIND-SPD 12    TRACE DIR        0    5 SQUARE  3
LAT    49 21.5N    DAY    17    DATA USE  1    BARCMETR 1016.0   SEA            WIND-FOR       DURATION     00.2    2 SQUARE 82
LONG  052 13.5W    HOUR 15.0    AREA      05   CLCUD T/A         CL/TR          WEATHER  X2    ORIG C11 917  15     1 SQUARE 92
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.04	30.60	24.58	00.000	1443.4							
15.0	OBS	00003	00.04	30.60	24.58		1443.4							
	STD	00010	- 1.05	31.91	25.68	00.028	1440.3							
	OBS	00013	- 1.35	32.33	26.02		1439.5							
	STD	00020	- 1.28	32.52	26.17	0C.049	1440.2							
	OBS	00020	- 1.27	32.54	28.19		1440.5							
	OBS	00022	- 0.71	32.58	26.21		1443.0							
	OBS	00024	- 0.81	32.54	26.18 *		1442.5							
	OBS	00026	- 1.13	32.61	26.24		1441.2							
	STD	00030	- 1.16	32.63	26.26	00.067	1441.1							
	OBS	00030	- 1.17	32.64	26.27		1441.1							
	OBS	00034	- 1.34	32.76	26.37		1440.5							
	OBS	00036	- 0.72	32.84	26.42		1443.6							
	OBS	00038	- 0.83	32.81	26.40		1443.0							
	OBS	00043	- 1.34	32.84	26.44		1440.8							
	OBS	00045	- 1.38	32.91	26.49		1440.7							
	STD	CC050	- 0.45	32.98	26.52	00.100	1445.2							
	OBS	00053	- 0.03	33.02	26.53		1447.3							
	OBS	00066	- 0.86	33.07	26.61		1443.7							
	OBS	00072	- 1.31	33.05	26.60		1441.7							
	STD	00075	- 1.23	33.06	26.61	00.137	1442.1							
	OBS	D0076	- 1.21	33.07	26.62		1442.2							
	OBS	00099	- 1.60	33.19	26.73		1441.0							
	STD	00100	- 1.58	33.20	26.73	00.171	1441.1							
	OBS	00100	- 1.57	33.20	26.73		1441.1							
	STD	00125	- 1.34	33.44	26.92	00.202	1442.9							
	OBS	00125	- 1.34	33.44	26.92		1443.0							
	STD	00150	- 1.19	33.54	27.00	00.230	1444.2							
	OBS	00152	- 1.17	33.55	27.01		1444.4							
	OBS	00175	- 0.91	33.63	27.06		1446.1							
	STD	00200	- 0.36	33.87	27.23	00.277	1449.4							
	OBS	00201	- 0.33	33.88	27.24		1449.6							
	OBS	00213	- 0.20	33.92	27.27		1450.4							
	OBS	00215	- 0.80	33.92	27.29		1447.7							
	OBS	00217	- 0.13	33.98	27.31		1450.9							
	OBS	00226	00.22	34.00	27.31		1452.6							
	OBS	00243	C0.37	34.07	27.36		1453.7							
	OBS	00245	00.77	34.11	27.37		1455.6							
	STD	00250	00.79	34.11	27.37	00.316	1455.8							
	OBS	00253	C0.80	34.12	27.37		1455.9							
	OBS	00262	00.80	34.18	27.42		1456.1							
	OBS	C0266	01.12	34.26	27.46		1457.7							
	OBS	00276	01.48	34.30	27.47		1459.6							
	STD	00300	01.69	34.36	27.51	00.349	1461.0							
	OBS	00302	01.71	34.37	27.51		1461.1							
	OBS	00325	01.91	34.45	27.56		1462.5							

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PEFIC  31  8463    YEAR 1975    BOTDP 00251    AIR TEMP  08.1    DIR HGT PER    WIND-DIR 33    INST STD RECORDER     TEN SO 1307
CONSEC     0139    MONTH  06    SHIP EV        WET BULB  07.8    00  X   X      WIND-SPD 06    TRACE DIR        0    5 SQUARE  3
LAT    49 17.0N    DAY    17    DATA USE  1    BARCMETR 1016.1   SEA            WIND-FOR       DURATION     00.2    2 SQUARE 82
LONG  052 28.0W    HOUR 16.6    AREA      05   CLOUD T/A         CL/TR          WEATHER  X2    ORIG 011 918  23     1 SQUARE 92
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.19	31.85	25.41	00.000	1459.2							
16.6	OBS	00001	03.19	31.89	25.41		1459.2							
	OBS	00005	02.75	31.99	25.53		1457.5							
	OBS	00007	03.01	32.10	25.60		1458.8							
	OBS	00009	02.73	32.04	25.57 *		1457.6							
	STD	00010	02.42	32.07	25.62	00.025	1456.3							
	OBS	00015	- 0.36	32.33	25.99		1444.2							
	STD	C0020	- 0.39	32.47	26.10	00.046	1444.3							
	STD	00030	- 0.45	32.69	26.29	00.065	1444.5							
	OBS	00049	- 0.57	32.92	26.48		1444.6							
	STD	00050	- 0.58	32.92	26.48	00.098	1444.5							
	OBS	00053	- 0.80	32.93	26.49		1443.6							
	OBS	00C57	- 1.32	32.91	26.49		1441.2							
	STD	00075	- 1.37	32.58	26.55	00.136	1441.4							
	OBS	00079	- 1.35	33.00	26.57		1441.4							
	STD	00100	- 1.52	33.10	26.65	00.172	1441.2							
	OBS	00100	- 1.53	33.10	26.65		1441.2							
	OBS	C0106	- 1.61	33.11	26.66		1440.9							
	STD	00125	- 1.56	33.18	26.71	00.206	1441.5							
	OBS	00125	- 1.56	33.18	26.72		1441.6							
	STD	00150	- 1.48	33.27	26.79	00.238	1442.5							
	OBS	00152	- 1.47	33.28	26.80		1442.6							
	OBS	00175	- 1.41	33.39	26.88		1443.4							
	STD	00200	- 1.14	33.52	26.98	00.296	1445.3							
	OBS	00201	- 1.12	33.53	26.99		1445.4							
	OBS	00226	- 0.86	33.68	27.10		1447.1							
	OBS	00247	- 0.44	33.83	27.20		1449.7							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.--Continued

NODC STATION DATA

| REFID 31 8463 | YEAR 1975 | BOTOP 00256 | AIR TEMP 05.1 | DIR HGT PER | WIND-DIR 05 | INST STD RECORDER | TEN SQ 1307 |
|---|---|---|---|---|---|---|---|
| CONSEC 0140 | MONTH 06 | SHIP EV | WET BULB 08.6 | 00 X X | WIND-SPD 05 | TRACE DIR 0 | S SQUARE 3 |
| LAT 49 15.8N | DAY 17 | DATA USE 1 | BAROMETR 1015.7 | SEA | WIND-FOR | DURATION 00.0 | 2 SQUARE 82 |
| LONG 052 40.4W | HOUR 18.2 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X2 | ORIG 011 519 26 | 1 SQUARE 92 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 01.85 | 31.78 | 25.43 | 00.000 | 1453.2 | | | | | | | |
| 18.2 | OBS | 00001 | 01.85 | 31.78 | 25.43 | | 1453.2 | | | | | | | |
| | OBS | 00003 | 02.26 | 31.83 | 25.44 | | 1455.1 | | | | | | | |
| | OBS | 00009 | 01.68 | 32.10 | 25.70 | | 1453.0 | | | | | | | |
| | STO | 00010 | 01.20 | 32.21 | 25.82 | 00.024 | 1451.1 | | | | | | | |
| | OBS | 00011 | 00.20 | 32.40 | 26.02 | | 1446.8 | | | | | | | |
| | OBS | 00013 | - 0.58 | 32.38 | 26.03 | | 1444.1 | | | | | | | |
| | OBS | 00015 | - 0.75 | 32.57 | 26.20 | | 1442.7 | | | | | | | |
| | OBS | 00019 | - 0.73 | 32.62 | 26.24 | | 1442.5 | | | | | | | |
| | STO | 00020 | - 0.62 | 32.62 | 26.23 | 00.044 | 1443.5 | | | | | | | |
| | OBS | 00020 | - 0.52 | 32.62 | 26.23 | | 1443.9 | | | | | | | |
| | OBS | 00022 | - 1.20 | 32.60 | 26.24 | | 1440.8 | | | | | | | |
| | STO | 00030 | - 1.40 | 32.67 | 26.30 | 00.061 | 1440.0 | | | | | | | |
| | OBS | 00030 | - 1.41 | 32.67 | 26.30 | | 1440.0 | | | | | | | |
| | STO | 00050 | - 1.39 | 32.80 | 26.41 | 00.095 | 1440.6 | | | | | | | |
| | OBS | 00051 | - 1.39 | 32.81 | 26.41 | | 1440.6 | | | | | | | |
| | STO | 00075 | - 1.34 | 32.90 | 26.48 | 00.135 | 1441.4 | | | | | | | |
| | OBS | 00076 | - 1.34 | 32.91 | 26.49 | | 1441.4 | | | | | | | |
| | OBS | 00078 | - 1.36 | 32.93 | 26.51 | | 1441.4 | | | | | | | |
| | OBS | 00079 | - 1.27 | 32.92 | 26.50 | | 1441.8 | | | | | | | |
| | STO | 00100 | - 1.44 | 33.02 | 26.58 | 00.172 | 1441.5 | | | | | | | |
| | OBS | 00100 | - 1.44 | 33.02 | 26.58 | | 1441.5 | | | | | | | |
| | STO | 00125 | - 1.42 | 33.11 | 26.65 | 00.208 | 1442.1 | | | | | | | |
| | OBS | 00125 | - 1.42 | 33.11 | 26.66 | | 1442.1 | | | | | | | |
| | STO | 00150 | - 1.41 | 33.20 | 26.73 | 00.242 | 1442.7 | | | | | | | |
| | OBS | 00150 | - 1.41 | 33.20 | 26.73 | | 1442.7 | | | | | | | |
| | OBS | 00163 | - 1.54 | 33.26 | 26.78 | | 1442.4 | | | | | | | |
| | OBS | 00177 | - 1.42 | 33.31 | 26.82 | | 1443.3 | | | | | | | |
| | STO | 00200 | - 1.35 | 33.45 | 26.93 | 00.302 | 1444.2 | | | | | | | |
| | OBS | 00201 | - 1.31 | 33.47 | 26.94 | | 1444.4 | | | | | | | |
| | OBS | 00215 | - 0.85 | 33.66 | 27.08 | | 1447.1 | | | | | | | |
| | OBS | 00222 | - 0.17 | 33.77 | 27.14 | | 1450.5 | | | | | | | |
| | OBS | 00226 | - 0.15 | 33.76 | 27.13 | | 1450.6 | | | | | | | |
| | STO | 00250 | - 0.24 | 33.85 | 27.21 | 00.352 | 1450.7 | | | | | | | |
| | OBS | 00251 | - 0.24 | 33.86 | 27.22 | | 1450.8 | | | | | | | |
| | OBS | 00276 | 00.83 | 34.12 | 27.37 | | 1456.4 | | | | | | | |
| | OBS | 00281 | 01.26 | 34.23 | 27.43 | | 1458.7 | | | | | | | |

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| REFID 31 8463 | YEAR 1975 | BCTOP 00100 | AIR TEMP 08.7 | DIR HGT PER | WIND-DIR 00 | INST STD RECORDER | TEN SQ 1307 |
|---|---|---|---|---|---|---|---|
| CONSEC 0141 | MONTH 06 | SHIP EV | WET BULB 07.8 | 00 A X | WIND-SPD 00 | TRACE DIR 0 | S SQUARE 3 |
| LAT 48 44.9N | DAY 18 | DATA USE 1 | BAROMETR 1011.5 | SEA | WIND-FOR | DURATION 00.1 | 2 SQUARE 82 |
| LONG 053 02.1W | HOUR 00.6 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X2 | ORIG 011 920 | 3 SQUARE 83 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 05.64 | 31.58 | 24.92 | 00.000 | 1469.1 | | | | | | | |
| 00.6 | OBS | 00001 | 05.64 | 31.58 | 24.92 | | 1469.1 | | | | | | | |
| | OBS | 00003 | 05.32 | 31.49 | 24.89 • | | 1467.7 | | | | | | | |
| | OBS | 00005 | 04.13 | 31.77 | 25.23 | | 1463.2 | | | | | | | |
| | OBS | 00007 | 02.62 | 31.88 | 25.45 | | 1456.8 | | | | | | | |
| | OBS | 00009 | 02.14 | 31.88 | 25.49 | | 1454.8 | | | | | | | |
| | STO | 00010 | 02.08 | 31.91 | 25.52 | 00.028 | 1454.5 | | | | | | | |
| | OBS | 00011 | 01.91 | 31.99 | 25.59 | | 1453.9 | | | | | | | |
| | STO | 00020 | 01.23 | 32.21 | 25.82 | 00.051 | 1451.4 | | | | | | | |
| | OBS | 00020 | 01.18 | 32.23 | 25.83 | | 1451.2 | | | | | | | |
| | STO | 00030 | 00.87 | 32.32 | 25.93 | 00.072 | 1450.0 | | | | | | | |
| | OBS | 00030 | 00.82 | 32.33 | 25.93 | | 1449.8 | | | | | | | |
| | OBS | 00034 | 00.38 | 32.40 | 26.01 | | 1448.0 | | | | | | | |
| | OBS | 00036 | - 0.11 | 32.45 | 26.08 | | 1445.8 | | | | | | | |
| | OBS | 00038 | - 0.33 | 32.52 | 26.14 | | 1445.0 | | | | | | | |
| | STO | 00050 | - 0.34 | 32.66 | 26.26 | 00.111 | 1445.3 | | | | | | | |
| | OBS | 00051 | - 0.36 | 32.68 | 26.27 | | 1445.3 | | | | | | | |
| | STO | 00075 | - 1.18 | 32.93 | 26.50 | 00.152 | 1442.2 | | | | | | | |
| | OBS | 00076 | - 1.21 | 32.94 | 26.51 | | 1442.1 | | | | | | | |
| | OBS | 00089 | - 1.47 | 33.03 | 26.59 | | 1441.2 | | | | | | | |
| | OBS | 00093 | - 1.47 | 33.02 | 26.58 | | 1441.2 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

| AEFIC 31 8463 | YEAR 1975 | BOTOP 00137 | AIP TEMP 08.0 | OIR HGT PER | WIND-DIR 22 | INST STO RECORDER | TEN SO 1307 |
|---|---|---|---|---|---|---|---|
| CONSEC 3142 | MONTH 06 | SHIP EV | WET BULB 08.0 | 00 X A | WIND-SPO 05 | TRACE 01A 0 | S SQUARE 3 |
| LAT 48 48.5N | DAY 18 | DATA USE 1 | BARCMETA 1011.5 | SEA | WIND-FOR | DURATION 00.1 | 2 SQUARE 82 |
| LONG 052 47.0W | HOUR 02.1 | AREA 05 | CLCUD T/A | CL/TR | WEATHER X2 | ORIG 011 921 | 1 SQUARE 82 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02.1 | STO | 00000 | 04.25 | 31.64 | 25.12 | C0.000 | 1463.4 | | | | | | | |
| | OBS | 00001 | 04.25 | 31.64 | 25.12 | | 1463.4 | | | | | | | |
| | OBS | 00003 | 04.18 | 31.61 | 25.10 | | 1463.1 | | | | | | | |
| | OBS | 00009 | 03.61 | 31.76 | 25.27 | | 1461.0 | | | | | | | |
| | STO | 00010 | 03.35 | 31.80 | 25.33 | 00.028 | 1459.5 | | | | | | | |
| | OBS | 00011 | 02.72 | 31.91 | 25.47 | | 1457.4 | | | | | | | |
| | OBS | 00013 | 02.14 | 32.05 | 25.62 | | 1455.1 | | | | | | | |
| | OBS | 00015 | 01.06 | 32.28 | 25.88 | | 1450.6 | | | | | | | |
| | OBS | 00017 | 00.69 | 32.52 | 26.05 | | 1449.3 | | | | | | | |
| | STO | C0020 | 00.38 | 32.57 | 26.15 | 00.050 | 1448.0 | | | | | | | |
| | OBS | 00022 | 00.11 | 32.62 | 26.20 | | 1446.9 | | | | | | | |
| | OBS | 00026 | - 0.21 | 32.69 | 26.28 | | 1445.6 | | | | | | | |
| | STO | 00030 | - 0.24 | 32.72 | 26.30 | 00.068 | 1445.5 | | | | | | | |
| | OBS | 00030 | - 0.26 | 32.73 | 26.31 | | 1445.4 | | | | | | | |
| | OBS | 00036 | - 0.68 | 32.79 | 26.37 | | 1443.7 | | | | | | | |
| | OBS | 00038 | - 0.52 | 32.77 | 26.35 | | 1444.4 | | | | | | | |
| | OBS | 00040 | - 0.64 | 32.79 | 26.37 | | 1443.5 | | | | | | | |
| | STO | C0050 | - 0.90 | 32.86 | 26.44 | 00.101 | 1443.0 | | | | | | | |
| | OBS | 03051 | - 0.53 | 32.87 | 26.45 | | 1442.9 | | | | | | | |
| | STO | 00075 | - 1.26 | 32.94 | 26.51 | 00.140 | 1441.8 | | | | | | | |
| | OBS | 00076 | - 1.27 | 32.94 | 26.51 | | 1441.8 | | | | | | | |
| | STO | 00100 | - 1.53 | 33.04 | 26.60 | 00.178 | 1441.1 | | | | | | | |
| | OBS | 00100 | - 1.54 | 33.04 | 26.60 | | 1441.1 | | | | | | | |
| | OBS | 00102 | - 1.55 | 33.05 | 26.61 | | 1441.1 | | | | | | | |
| | STO | 00125 | - 1.41 | 33.18 | 26.71 | 00.212 | 1442.3 | | | | | | | |
| | OBS | 00127 | - 1.41 | 33.18 | 26.71 | | 1442.3 | | | | | | | |
| | OBS | 00129 | - 1.41 | 33.18 | 26.71 | | 1442.3 | | | | | | | |

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| REFIO 31 8463 | YEAR 1575 | BOTOP 00347 | AIR TEMP 07.5 | OIR HGT PER | WIND-DIR 22 | INST STO RECORDER | TEN SO 1307 |
|---|---|---|---|---|---|---|---|
| CONSEC 0143 | MONTH 06 | SHIP EV | WET BULB 07.0 | 00 X X | WIND-SPO 12 | TRACE CIR C | S SQUARE 3 |
| LAT 48 54.0N | DAY 18 | DATA USE 1 | BARGMETR 1011.1 | SEA | WIND-FOR | DURATIGN 00.2 | 2 SQUARE 82 |
| LONG 052 30.1W | HOUR 04.0 | AREA 05 | CLCUD T/A | CL/TR | WEATHER X2 | ORIG 011 922 | 1 SQUARE 82 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04.0 | STO | 00000 | 04.32 | 30.07 | 23.87 | 00.000 | 1461.6 | | | | | | | |
| | OBS | 00000 | 04.32 | 30.07 | 23.87 | | 1461.6 | | | | | | | |
| | STO | 00010 | 02.08 | 31.16 | 24.92 | 00.035 | 1453.5 | | | | | | | |
| | OBS | 00011 | 02.01 | 31.21 | 24.96 | | 1453.3 | | | | | | | |
| | OBS | 00013 | 02.01 | 31.24 | 24.99 | | 1453.4 | | | | | | | |
| | OBS | 00017 | 00.66 | 32.26 | 25.89 | | 1448.8 | | | | | | | |
| | OBS | 00019 | 01.28 | 32.68 | 26.19 | | 1452.2 | | | | | | | |
| | STO | 00020 | 01.80 | 32.70 * | 26.17 | 00.060 | 1454.6 | | | | | | | |
| | OBS | 00020 | 02.14 | 32.73 | 26.17 | | 1456.1 | | | | | | | |
| | OBS | 00022 | 02.43 | 32.81 | 26.21 | | 1457.5 | | | | | | | |
| | OBS | 00024 | 02.48 | 32.76 | 26.17 * | | 1457.7 | | | | | | | |
| | STO | C0030 | 01.53 | 32.78 | 26.25 | 00.078 | 1453.6 | | | | | | | |
| | OBS | 00030 | 01.49 | 32.78 | 26.25 | | 1453.5 | | | | | | | |
| | OBS | 00034 | 01.51 | 32.79 | 26.26 | | 1453.6 | | | | | | | |
| | OBS | 00036 | - 0.62 | 32.66 | 26.27 | | 1443.8 | | | | | | | |
| | OBS | 00038 | - 1.07 | 32.78 | 26.38 | | 1441.5 | | | | | | | |
| | OBS | C0C40 | - 1.05 | 32.79 | 26.39 | | 1442.0 | | | | | | | |
| | STO | 00050 | - 1.28 | 32.85 | 26.44 | 00.112 | 1441.2 | | | | | | | |
| | OBS | 00051 | - 1.31 | 32.87 | 26.46 | | 1441.1 | | | | | | | |
| | OBS | 00053 | - 1.10 | 32.91 | 26.49 | | 1442.2 | | | | | | | |
| | OBS | 00057 | - 0.09 | 33.00 | 26.52 | | 1447.0 | | | | | | | |
| | OBS | 00059 | 00.02 | 32.97 | 26.49 * | | 1447.5 | | | | | | | |
| | OBS | 00062 | - 1.43 | 32.53 | 26.51 | | 1440.8 | | | | | | | |
| | OBS | C0C64 | - 1.34 | 32.99 | 26.56 | | 1441.3 | | | | | | | |
| | OBS | C0C66 | - 1.10 | 32.96 | 26.53 * | | 1442.4 | | | | | | | |
| | OBS | 00070 | - 1.28 | 33.04 | 26.60 | | 1441.8 | | | | | | | |
| | OBS | 00072 | - 1.14 | 33.02 | 26.58 | | 1442.4 | | | | | | | |
| | OBS | 00074 | - 0.22 | 33.08 | 26.59 | | 1446.8 | | | | | | | |
| | STO | 00075 | - 0.18 | 33.08 | 26.59 | 00.150 | 1447.0 | | | | | | | |
| | OBS | 00076 | - 0.01 | 33.08 | 26.58 | | 1447.8 | | | | | | | |
| | OBS | 00078 | 00.57 | 33.12 | 26.58 | | 1450.6 | | | | | | | |
| | OBS | C0C81 | 00.32 | 33.11 | 26.59 | | 1449.5 | | | | | | | |
| | OBS | 00083 | 00.45 | 33.12 | 26.59 | | 1450.3 | | | | | | | |
| | OBS | 00089 | 00.13 | 33.10 | 26.59 | | 1448.7 | | | | | | | |
| | OBS | 00099 | - 0.52 | 33.16 | 26.67 | | 1446.0 | | | | | | | |
| | STO | 00100 | - 0.76 | 33.15 | 26.67 | 00.185 | 1444.8 | | | | | | | |
| | OBS | C0100 | - 0.97 | 33.15 | 26.68 | | 1443.9 | | | | | | | |
| | STO | 00125 | - 1.32 | 33.41 | 26.90 | 00.217 | 1443.0 | | | | | | | |
| | OBS | 00125 | - 1.32 | 33.42 | 26.90 | | 1443.0 | | | | | | | |
| | STO | 00150 | - 1.17 | 33.58 | 27.03 | 00.244 | 1444.4 | | | | | | | |
| | OBS | 00150 | - 1.16 | 33.58 | 27.03 | | 1444.4 | | | | | | | |
| | OBS | 00175 | - 0.67 | 33.75 | 27.15 | | 1447.4 | | | | | | | |
| | STO | 00200 | 03.07 | 33.91 | 27.25 | 00.291 | 1451.4 | | | | | | | |
| | OBS | 00201 | C0.10 | 33.92 | 27.25 | | 1451.6 | | | | | | | |
| | OBS | 00226 | 00.19 | 33.99 | 27.30 | | 1452.5 | | | | | | | |
| | STO | 00250 | 00.44 | 34.06 | 27.34 | 00.330 | 1454.1 | | | | | | | |
| | OBS | 00251 | 00.45 | 34.06 | 27.34 | | 1454.2 | | | | | | | |
| | OBS | 00276 | 00.75 | 34.16 | 27.41 | | 1456.1 | | | | | | | |
| | OBS | 00298 | C1.20 | 34.25 | 27.45 | | 1458.6 | | | | | | | |
| | STO | 00300 | 01.18 | 34.24 | 27.45 | 00.365 | 1458.5 | | | | | | | |
| | OBS | 00300 | 01.16 | 34.24 | 27.45 | | 1458.5 | | | | | | | |
| | OBS | 00340 | 01.77 | 34.40 | 27.53 | | 1462.0 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

| REFIO 31 8465 | YEAR 1975 | BOTOP 00294 | AIR TEMP 05.9 | DIR HGT PER | WIND-DIR 25 | INST STD RECORDER | TEN SO 1307 |
|---|---|---|---|---|---|---|---|
| CONSEC 0144 | MONTH 06 | SHIP EV | WET BULB 03.4 | 00 X X | WIND-SPD 12 | TRACE DIR 0 | 3 SQUARE 3 |
| LAT 48 57.0N | CAY 18 | DATA USE 1 | BARCMETR 1011.0 | SEA | WIND-FOR | DURATION 00.1 | 2 SQUARE 82 |
| LONG 052 18.0W | HOUR 05.8 | AREA 03 | CLOUD T/4 | CL/TR | WEATHER X2 | ORIG 011 923 | 1 SQUARE 52 |

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP | SAL | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | STO | 00000 | 02.27 | 31.14 | 24.89 | 00.000 | 1454.2 | | | | | | | |
| 05.8 | OBS | 00005 | 02.27 | 31.14 | 24.89 | | 1454.3 | | | | | | | |
| | OBS | 00009 | 01.85 | 31.29 | 23.04 | | 1452.7 | | | | | | | |
| | STO | 00010 | 01.90 | 31.40 | 25.13 | 00.030 | 1453.0 | | | | | | | |
| | OBS | 00011 | 02.03 | 31.75 | 25.39 | | 1454.1 | | | | | | | |
| | OBS | 00015 | 02.22 | 32.28 | 25.80 | | 1453.7 | | | | | | | |
| | OBS | 00019 | 02.55 | 32.67 | 26.09 | | 1457.8 | | | | | | | |
| | STO | 00020 | 01.92 | 32.73 | 26.19 | 00.033 | 1455.1 | | | | | | | |
| | OBS | C0020 | 01.51 | 32.79 | 26.26 | | 1453.4 | | | | | | | |
| | OBS | 00024 | 01.46 | 33.02 | 26.45 | | 1453.6 | | | | | | | |
| | OBS | 00026 | 01.01 | 32.98 | 26.44 | | 1451.5 | | | | | | | |
| | STO | 00030 | 01.06 | 32.98 | 26.45 | 00.070 | 1451.8 | | | | | | | |
| | OBS | 00030 | 01.08 | 32.99 | 26.45 | | 1451.9 | | | | | | | |
| | OBS | 00032 | C1.18 | 33.02 | 26.47 | | 1452.4 | | | | | | | |
| | OBS | 00036 | 00.30 | 32.99 | 26.49 | | 1448.3 | | | | | | | |
| | OBS | 00038 | 00.32 | 33.05 | 26.33 | | 1449.8 | | | | | | | |
| | OBS | 00040 | 00.63 | 32.99 P | 26.470 | | | | | | | | | |
| | OBS | 00043 | 00.36 | 33.05 | 26.34 | | 1446.0 | | | | | | | |
| | OBS | 00045 | 00.57 | 33.04 | 26.52 | | 1449.9 | | | | | | | |
| | STO | 00050 | 00.44 | 33.02 | 26.31 | 00.101 | 1449.4 | | | | | | | |
| | OBS | 00051 | 00.28 | 33.02 | 26.52 | | 1448.6 | | | | | | | |
| | OBS | 00053 | - 0.09 | 33.03 | 26.56 | | 1447.0 | | | | | | | |
| | OBS | 00055 | - 0.09 | 33.03 | 26.56 | | 1447.1 | | | | | | | |
| | OBS | 00057 | 00.16 | 33.09 | 26.58 | | 1448.3 | | | | | | | |
| | OBS | 00060 | 00.34 | 33.14 | 26.61 | | 1449.3 | | | | | | | |
| | OBS | 00070 | - 0.22 | 33.12 | 26.62 | | 1446.8 | | | | | | | |
| | OBS | 00074 | - 0.07 | 33.18 | 26.66 | | 1447.7 | | | | | | | |
| | STO | 00075 | - 0.10 | 33.17 | 26.66 | 00.138 | 1447.5 | | | | | | | |
| | OBS | 0C076 | - 0.15 | 33.16 | 26.65 | | 1447.3 | | | | | | | |
| | OBS | 00097 | - 1.35 | 33.40 | 26.89 | | 1442.4 | | | | | | | |
| | STO | 00100 | - 1.35 | 33.41 | 26.90 | 00.170 | 1442.5 | | | | | | | |
| | OBS | 00100 | - 1.34 | 33.42 | 26.91 | | 1442.5 | | | | | | | |
| | OBS | 00110 | - 1.01 | 33.52 | 26.98 | | 1444.4 | | | | | | | |
| | STO | C0125 | - C.85 | 33.60 | 27.03 | 00.197 | 1445.5 | | | | | | | |
| | OBS | 00123 | - 0.84 | 33.60 | 27.03 | | 1445.5 | | | | | | | |
| | STO | 00150 | - 0.61 | 33.73 | 27.15 | 00.221 | 1447.2 | | | | | | | |
| | OBS | 00150 | - 0.58 | 33.76 | 27.15 | | 1447.4 | | | | | | | |
| | OBS | 00154 | - 0.28 | 33.82 | 27.19 | | 1448.9 | | | | | | | |
| | OBS | 00163 | 00.12 | 33.88 | 27.22 | | 1451.0 | | | | | | | |
| | OBS | 00177 | 00.25 | 33.96 | 27.28 | | 1451.9 | | | | | | | |
| | STO | 00200 | 00.68 | 34.07 | 27.34 | 00.263 | 1454.4 | | | | | | | |
| | OBS | 00201 | 00.71 | 34.08 | 27.35 | | 1454.6 | | | | | | | |
| | OBS | 00226 | 01.21 | 34.24 | 27.44 | | 1457.5 | | | | | | | |
| | STO | 00250 | 01.54 | 34.36 | 27.32 | 00.296 | 1459.5 | | | | | | | |
| | OBS | 00251 | 01.57 | 34.37 | 27.32 | | 1459.6 | | | | | | | |
| | OBS | 00276 | 02.42 | 34.63 | 27.66 | | 1464.1 | | | | | | | |
| | OBS | 00285 | 02.46 | 34.64 | 27.67 | | 1464.5 | | | | | | | |

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

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REFID  31  0463     YEAR 1975    BOTOP 00254    AIR TEMP   05.3    DIR HGT PER    WIND-DIR 34    INST STD RECORDER        TEN SO 1307
CONSEC    0145      MONTH  06     SHIP EV        WET BULB   05.2    22  0   2     WIND-SPD 08    TRACE DIR        0       5 SQUARE  3
LAT    49 03.2N     DAY    18     DATA USE   1   BAROMETR 1015.0    SEA            WIND-FOR       DURATION        00.1    2 SQUARE 82
LONG  052 02.1N     HOUR 07.3     AREA       05   CLOUD T/A         CL/TR          WEATHER  X2    ORIG 011 924            1 SQUARE 52
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.12	31.06	24.85	00.000	1453.4							
07.3	OBS	00003	02.12	31.08	24.85		1453.5							
	OBS	00005	02.16	31.06	24.83		1453.7							
	OBS	00007	01.93	31.17	24.94		1452.8							
	OBS	00009	01.94	31.80	25.44		1453.8							
	STD	00010	02.17	31.98	25.57	00.026	1455.1							
	OBS	00011	02.62	32.42	25.88		1457.6							
	OBS	00013	02.73	32.83	26.20		1458.7							
	STD	00020	02.67	32.91	26.27	00.049	1458.7							
	OBS	00020	02.63	32.91	26.27		1456.5							
	OBS	00026	02.21	32.90	26.30		1456.7							
	STD	00030	01.10	32.84	26.33	00.066	1451.8							
	OBS	00030	00.95	32.83	26.33		1451.1							
	OBS	00032	00.41	32.86	26.40		1448.8							
	OBS	00036	- 0.15	32.91	26.45		1446.3							
	OBS	00038	- 0.21	32.91	26.45		1446.1							
	OBS	00040	- 0.40	32.95	26.49		1445.3							
	OBS	00045	- 0.48	32.99	26.53		1445.0							
	STD	00050	- 0.05	33.03	26.54	00.096	1447.2							
	OBS	00051	00.01	33.04	26.55		1447.5							
	OBS	00057	- 0.18	33.05	26.56		1446.7							
	OBS	00064	- 0.11	33.07	26.58		1447.2							
	OBS	00066	- 0.95	33.06	26.60		1443.3							
	STD	00075	- 1.36	33.23	26.75	00.133	1441.8							
	OBS	00076	- 1.39	33.24	26.76		1441.6							
	OBS	00081	- 1.49	33.28	26.80		1441.3							
	STD	00100	- 1.29	33.37	26.87	00.164	1442.7							
	OBS	00100	- 1.28	33.38	26.87		1442.8							
	STD	00125	- 0.96	33.57	27.01	00.192	1444.8							
	OBS	00125	- 0.96	33.59	27.03		1445.0							
	OBS	00127	- 0.90	33.66	27.08		1445.4							
	OBS	00133	- 0.31	33.73	27.12		1448.3							
	STD	00150	00.40	33.87	27.19	00.216	1452.0							
	OBS	00150	00.41	33.87	27.19		1452.1							
	OBS	00170	01.02	34.10	27.34		1455.6							
	OBS	00158	01.05	34.21	27.43		1456.2							
	STD	00200	01.23	34.24	27.44	00.255	1457.1							
	OBS	00203	01.50	34.28	27.45		1458.4							
	OBS	00226	01.73	34.35	27.49	..	1459.5							
	STD	00250	01.96	34.43	27.54	00.285	1461.3							
	OBS	00251	01.96	34.44	27.55		1461.5							
	OBS	00256	02.09	34.51	27.59		1462.3							
	OBS	00262	02.34	34.62	27.66		1463.6							
	OBS	00277	02.73	34.74	27.72		1465.3							
	OBS	00285	02.73	34.74	27.72		1465.6							

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REFID  31  0463     YEAR 1975    BOTOP 00285    AIR TEMP   05.2    DIR HGT PER    WIND-DIR 33    INST STD RECORDER        TEN SO 1307
CONSEC    0146      MONTH  06     SHIP EV        WET BULB   05.2    35  1   3     WIND-SPD 06    TRACE DIR        0       5 SQUARE  3
LAT    45 06.2N     DAY    18     DATA USE   1   BARCMETR 1012.1    SEA            WIND-FOR       DURATION        00.1    2 SQUARE 80
LONG  051 47.5N     HOUR 08.9     AREA       05   CLOUD T/A         CL/TR          WEATHER  X2    ORIG 011 925            1 SQUARE 81
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.19	32.29	25.64	00.000	1464.0							
08.9	OBS	00001	04.19	32.29	25.64		1464.0							
	OBS	00005	03.02	32.31	25.76		1459.1							
	OBS	00009	02.70	32.65	26.06		1458.3							
	STD	00010	02.46	32.67	26.09	00.021	1457.3							
	OBS	00011	01.69	32.70	26.16		1454.8							
	OBS	00013	01.31	32.72	26.22		1452.3							
	OBS	00015	01.01	32.87	26.36		1451.2							
	STD	00020	00.62	32.90	26.40	00.039	1450.5							
	OBS	00020	00.80	32.91	26.40		1450.4							
	STD	00030	00.80	32.94	26.42	00.056	1450.6							
	OBS	00030	00.80	32.94	26.43		1450.6							
	OBS	00049	00.35	32.94	26.45		1448.8							
	STD	00050	00.27	32.93	26.45	00.068	1448.5							
	OBS	00053	- 0.06	32.90	26.44		1447.0							
	OBS	00057	- 0.07	32.95	26.48		1447.1							
	OBS	00059	00.01	33.03	26.54		1447.6							
	OBS	00060	- 0.01	32.95 P	26.48 Q°		1442.4							
	STD	00075	- 1.21	33.15	26.69	00.125	1442.4							
	OBS	00076	- 1.26	33.17	26.70		1442.1							
	OBS	00085	- 1.46	33.34	26.84		1441.6							
	STD	00100	- 1.26	33.45	26.93	00.156	1442.9							
	OBS	00100	- 1.25	33.46	26.93		1443.0							
	STD	00125	- 0.68	33.69	27.11	00.182	1445.5							
	OBS	00125	- 0.67	33.69	27.11		1445.5							
	STD	00150	- 0.57	33.78	27.17	00.205	1447.5							
	OBS	00152	- 0.47	33.80	27.18		1446.0							
	OBS	00165	00.31	33.96	27.27		1452.0							
	OBS	00177	00.54	34.00	27.34		1453.4							
	OBS	00184	01.01	34.08	27.33		1455.6							
	OBS	00190	00.83	34.10	27.35		1455.0							
	STD	00200	01.11	34.20	27.41	00.245	1456.5							
	OBS	00201	01.16	34.21	27.42		1456.8							
	OBS	00226	01.65	34.32	27.48		1459.5							
	STD	00250	01.94	34.43	27.54	00.276	1461.4							
	OBS	00251	01.96	34.44	27.55		1461.5							
	OBS	00264	02.15	34.50	27.58		1462.6							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIO 31 8463	YEAR 1975	BOTOP 00313	AIR TEMP 07.1	DIR HGT PER	WIND-DIR 01	INST STC RECORDER	TEM SO 130T
CONSEC 0147	MONTH 06	SHIP EV	WET BULB 06.1	35 0 2	WIND-SPO OB	TRACE DIR 0	5 SQUARE 3
LAT 49 09.0N	DAY 18	DATA USE 1	BARCMETR 1013.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80
LONG 051 36.5W	HOUR 10.5	AREA 05	CLOUD T/6	CL/TR	WEATHER A2	ORIG 011 926	1 SQUARE 91

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT 2	NO2	NO3	SIO3	PH
	STD	00000	04.41	32.04	25.42	00.000	1464.6							
10.5	OBS	00001	04.41	32.04	25.42		1464.6							
	OBS	00003	02.98	32.00	25.52		1458.5							
	OBS	00007	02.89	32.67	26.06		1459.1							
	OBS	00009	02.48	32.62	26.05		1457.3							
	STD	00010	02.85	32.65	26.04	00.023	1458.9							
	OBS	00013	03.19	32.71	26.07		1460.5							
	OBS	00015	01.72	32.66	26.14		1454.1							
	OBS	00017	01.14	32.69	26.20		1451.5							
	STD	00020	00.74	32.67	26.21	00.042	1449.8							
	OBS	00020	00.64	32.66	26.21		1445.3							
	OBS	00026	00.30	32.78	26.32		1448.0							
	OBS	00028	- 0.23	32.82	26.38		1445.7							
	STD	00030	- 0.07	32.82	26.37	00.055	1446.4							
	OBS	00032	00.03	32.80	26.35		1446.5							
	OBS	00034	- 0.06	32.78	26.34		1446.5							
	OBS	00043	- 0.13	32.87	26.42		1446.5							
	STD	C0050	- 1.02	32.87	26.45	00.092	1442.4							
	OBS	00051	- 1.12	32.87	26.45		1442.0							
	OBS	00055	- 1.19	33.00	26.56		1441.9							
	OBS	00057	- 0.93	32.97	26.53 •		1443.1							
	OBS	00059	- 0.91	32.99	26.54		1443.3							
	OBS	00062	- 1.23	32.96	26.53		1441.8							
	STD	00075	- 1.50	33.03	26.60	00.129	1440.8							
	OBS	00076	- 1.51	33.04	26.60		1440.8							
	OBS	00085	- 1.57	33.10	26.65		1440.7							
	STD	00100	- 1.52	33.14	26.68	00.165	1441.3							
	OBS	00100	- 1.51	33.14	26.68		1441.3							
	STD	00125	- 1.00	33.40	26.88	00.196	1444.5							
	OBS	00127	- 0.95	33.43	26.90		1444.8							
	STD	00150	- 0.59	33.71	27.11	00.223	1447.3							
	OBS	00150	- 0.58	33.71	27.11		1447.3							
	OBS	00175	- 0.01	33.88	27.22		1450.6							
	OBS	00188	00.43	33.98	27.28		1452.9							
	STD	00200	C0.37	34.02	27.32	00.266	1452.9							
	OBS	00201	00.36	34.03	27.33		1452.9							
	OBS	00211	00.35	34.06	27.35		1453.1							
	OBS	00217	00.83	34.14	27.39		1455.5							
	OBS	00226	01.04	34.22	27.44		1456.7							
	STD	00250	01.63	34.33	27.48	00.300	1459.8							
	OBS	00251	01.66	34.34	27.49		1460.0							
	OBS	00260	01.91	34.46	27.57		1461.4							
	OBS	00262	02.94 P	34.44	27.47C•										
	OBS	00264	01.94	34.44	27.55		1461.6							
	OBS	00276	C2.00	34.48	27.58		1462.1							
	STD	00300	02.09	34.52	27.60	00.329	1462.9							
	OBS	00302	02.16	34.54	27.61		1463.3							
	OBS	00306	02.26	34.57	27.63		1464.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFIO 31 8463	YEAR 1975	BOTTOP 00317	AIR TEMP 05.8	DIR MGT PER	WIND-DIR 05	INST STO RECORDER	TEN SG 1307
CONSEC 0148	MONTH 06	SHIP EV	WET BULB 05.8	OO X X	WINC-SPD 10	TRACE DIR 0	5 SQUARE 3
LAT 49 18.1N	DAY 18	DATA USE 1	BARCMETR 1016.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 80
LONG 051 20.0W	HOUR 12.3	AREA 05	CLCUD 7/A	CL/TR	WEATHER X4	ORIG 011 927 30	1 SQUARE 91

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.96	32.15	25.64	00.000	1458.6							
12.3	OBS	00001	02.96	32.15	25.64		1458.6							
	STD	00010	02.53	32.64	26.07	00.022	1457.5							
	OBS	00011	02.50	32.70	26.12		1457.5							
	STD	00020	02.55	32.85	26.23	00.040	1458.0							
	OBS	00020	02.57	32.86	26.24		1458.2							
	OBS	00026	02.79	32.92	26.27		1459.3							
	STD	00030	02.47	32.88	26.26	00.056	1457.9							
	OBS	00030	02.38	32.86	26.27		1457.5							
	OBS	00034	01.31	32.87	26.34		1452.8							
	OBS	00036	01.02	32.90	26.38		1451.6							
	OBS	00038	00.90	32.53	26.41		1451.1							
	OBS	00040	00.89	32.92	26.40		1451.1							
	OBS	00043	00.66	33.01	26.49		1450.3							
	OBS	00045	00.89	33.01	26.48		1451.3							
	STD	00050	00.54	33.01	26.50	00.091	1449.8							
	OBS	00053	00.40	33.01	26.50		1449.2							
	OBS	00057	00.37	32.98	26.48		1449.1							
	OBS	00060	- 0.24	33.02	26.54		1446.4							
	OBS	00068	- 0.20	33.05	26.56		1446.8							
	OBS	00072	00.07	33.11	26.60		1448.2							
	STD	00075	00.14	33.12	26.60	00.129	1448.5							
	OBS	00076	00.14	33.12	26.61		1448.6							
	OBS	00089	- 0.86	33.27	26.77		1444.4							
	OBS	00093	- 0.36	33.40	26.85		1447.0							
	OBS	00097	- 0.91	33.37	26.85		1444.4							
	OBS	00099	- 0.95	33.45	26.92		1444.4							
	STD	00100	- 0.94	33.44	26.91	00.161	1444.4							
	OBS	00100	- 0.94	33.43	26.90		1444.4							
	OBS	00104	- 0.68	33.48	26.93		1445.8							
	OBS	00106	- 0.65	33.49	26.94		1446.0							
	OBS	00116	- 0.95	33.56	27.01		1444.8							
	STD	00125	- 0.41	33.62	27.04	00.188	1447.5							
	OBS	00127	- 0.26	33.66	27.06		1448.3							
	OBS	00133	- 0.61	33.78	27.17		1447.0							
	OBS	00139	- 0.34	33.80	27.18		1448.4							
	STD	00150	- 0.29	33.86	27.22	00.212	1448.8							
	OBS	00150	- 0.29	33.86	27.22		1448.9							
	OBS	00175	00.14	34.06	27.36		1451.5							
	OBS	00182	00.74	34.09	27.35		1454.4							
	STC	00200	00.87	34.19	27.43	00.250	1455.4							
	OBS	00203	01.01	34.21	27.43		1456.1							
	OBS	00209	01.30	34.23	27.43		1457.6							
	OBS	00226	01.47	34.37	27.53		1458.8							
	STD	00250	01.99	34.44	27.54	00.281	1461.5							
	OBS	00251	02.00	34.44	27.55		1461.6							
	OBS	00276	02.00	34.50	27.59		1462.1							
	STD	00300	02.60	34.71	27.71	00.305	1465.4							
	OBS	00300	02.61	34.71	27.71		1465.5							
	OBS	00310	02.67	34.72	27.71		1465.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCDC STATION DATA

FSFIC 31 8463	YEAR 1975	BCTOP 00333	AIR TEMP 06.0	OIR PCT PER	WIND-DIR 07	INST STD RECORDER	TEN SO 1307
CONSEC 0145	MONTH 06	SHIP EV	WET BULB 06.0	00 X X	WIND-SPD 06	TRACE DIR 0	5 SQUARE 3
LAT 49 21.0N	DAY 18	DATA USE 1	BAROMETR 1016.2	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LONG 051 08.0W	HOUR 13.9	AREA 05	CLOUD 7/A	CL/TR	WEATHER X4	ORIG 011 928 25	1 SQUARE 93

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OXNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	04.94	32.35	25.61	00.000	1467.2						
13.9	OBS	00001	04.94	32.35	25.61		1467.3						
	OBS	00003	04.87	32.37	25.63		1467.0						
	OBS	00005	04.50	32.35	25.65		1465.5						
	OBS	00007	03.55	32.81	26.11		1462.1						
	STO	00010	03.29	32.91	26.21	00.021	1461.2						
	OBS	00011	03.16	32.95	26.26		1460.7						
	STO	00020	02.84	32.98	26.31	00.039	1459.5						
	OBS	00020	02.81	32.98	26.31		1459.4						
	OBS	00022	02.74	32.97	26.31		1459.1						
	OBS	00028	01.49	32.99	26.42		1453.7						
	STO	00030	01.27	33.03	26.47	00.055	1452.8						
	OBS	00030	01.21	33.04	26.48		1452.6						
	OBS	00036	01.18	33.06	26.50		1452.6						
	OBS	00040	01.11	33.15	26.57		1452.4						
	OBS	00045	00.83	33.19	26.64		1450.5						
	STO	00050	00.49	33.20	26.65	00.085	1449.9						
	OBS	00051	00.12	33.22	26.69		1448.2						
	OBS	00053	- 0.36	33.25	26.73		1446.1						
	OBS	00059	- 0.54	33.42	26.89		1443.7						
	OBS	00062	- 0.49	33.42	26.88		1445.5						
	STO	00075	- 0.63	33.61	27.04	00.115	1445.7						
	OBS	00076	- 0.65	33.63	27.05		1445.6						
	OBS	00078	- 0.69	33.60	27.03		1445.4						
	OBS	00083	- 0.22	33.71	27.10		1447.9						
	OBS	00089	- 0.40	33.71	27.11		1447.1						
	STO	00100	- 0.34	33.82	27.19	00.139	1447.7						
	OBS	00100	- 0.32	33.82	27.19		1447.8						
	OBS	00104	- 0.18	33.82	27.18		1448.6						
	STO	00125	00.33	33.96	27.27	00.160	1451.4						
	OBS	00125	00.34	33.96	27.27		1451.5						
	STO	00150	00.70	34.11	27.37	00.180	1453.7						
	OBS	00150	00.71	34.11	27.37		1453.8						
	OBS	00175	01.19	34.28	27.48		1456.6						
	OBS	00184	01.27	34.33	27.51		1457.2						
	OBS	00188	01.53	34.36	27.52		1458.4						
	STO	00200	01.60	34.38	27.53	00.212	1459.0						
	OBS	00201	01.62	34.39	27.53		1459.1						
	OBS	00226	02.09	34.54	27.62		1461.8						
	STO	00250	02.31	34.59	27.64	00.238	1463.2						
	OBS	00251	02.32	34.59	27.64		1463.2						
	OBS	00276	02.52	34.66	27.68		1464.6						
	STO	00300	02.66	34.72	27.71	00.260	1465.7						
	OBS	00300	02.66	34.72	27.71		1465.7						
	OBS	00325	02.71	34.72	27.71		1466.3						

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

AEFIC 31 8463	YEAR 1975	BOTDP 00335	AIR TEMP 06.5	DIR FGT PER	WIND-DIR 05	INST STD RECORDER	TEN SG 1307
CONSEC 0153	MONTH 06	SHIP EV	WET BULB 06.1	00 X A	WIND-SPO 09	TRACE 01A 0	5 SQUARE 3
LAT 49 23.6N	DAY 18	DATA USE 1	BARCMETR 1016.2	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LCNG 050 51.0W	HOUR 15.8	AREA 0S	CLCUD T/A	CL/TR	WEATHER A1	DRIG 011 925 19	1 SQUARE 50

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	AO2	NO3	SIO3	PH
	STD	C0000	04.56	33.08	26.23	00.000	1466.6							
15.8	OBS	00001	04.56	33.08	26.23		1466.7							
	OBS	00005	04.41	33.08	26.24		1466.1							
	OBS	00007	03.60	33.01	26.27		1462.6							
	OBS	00009	03.28	33.12	26.38		1461.4							
	STD	C0010	03.28	33.12	26.38	00.017	1461.4							
	OBS	00011	03.21	33.12	26.35		1461.1							
	OBS	00013	02.96	33.10	26.40		1460.1							
	STD	00020	02.90	33.22	26.50	00.033	1460.1							
	OBS	00020	02.87	33.24	26.52		1460.0							
	STD	C0030	02.27	33.38	26.68	00.048	1457.7							
	OBS	00030	02.21	33.40	26.70		1457.5							
	OBS	00034	01.64	33.56	26.87		1455.3							
	OBS	00038	01.27	33.57	26.90		1453.7							
	OBS	00040	00.78	33.54	26.91		1451.5							
	OBS	0C041	00.52	33.66	27.02		1450.5							
	STD	00050	00.43	33.72	27.07	00.072	1450.3							
	OBS	00051	00.42	33.74	27.09		1450.3							
	OBS	00053	00.71	33.78	27.10		1451.7							
	OBS	00055	00.77	33.80	27.12		1452.0							
	OBS	00057	00.19	33.82	27.17		1449.5							
	OBS	00062	00.13	33.88	27.22		1449.4							
	OBS	00070	00.43	33.92	27.23		1450.5							
	OBS	00074	01.03	33.96	27.23		1453.7							
	STD	00075	00.77	33.93	27.22	00.095	1452.5							
	OBS	0C076	00.43	33.89	27.21		1451.0							
	STD	00100	00.81	34.04	27.31	00.115	1453.3							
	OBS	00102	00.87	34.06	27.32		1453.6							
	STD	00125	01.51	34.24	27.42	00.133	1457.1							
	OBS	00125	01.51	34.24	27.42		1457.1							
	OBS	00140	01.41	34.28	27.46		1457.0							
	OBS	00146	01.85	34.33	27.47		1459.1							
	STD	00150	01.76	34.31	27.48	00.150	1458.8							
	OBS	00152	01.72	34.30	27.45		1458.6							
	OBS	00156	01.67	34.28	27.44		1458.4							
	OBS	00175	01.47	34.36	27.52		1457.5							
	STD	00200	01.89	34.48	27.59	00.179	1460.4							
	OBS	00201	01.92	34.49	27.59		1460.5							
	OBS	00228	02.41	34.63	27.66		1463.3							
	STD	00250	02.59	34.70	27.70	00.202	1464.5							
	OBS	00251	02.60	34.70	27.70		1464.6							
	OBS	00276	02.77	34.76	27.74		1465.8							
	STD	00300	02.92	34.81	27.76	00.222	1466.5							
	OBS	00300	02.92	34.81	27.76		1467.0							
	OBS	00325	02.92	34.81	27.76		1467.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

BEFIO 31 8465	YEAR 1975	BOTOP 00327	AIR TEMP 07.0	DIR MGT PER	WIND-DIR 04	INST STC RECORDER	TEN 50 1307
CONSEC 0151	MONTH 06	SHIP EV	WET BULB 06.5	00 3 3	WIND-SPD 09	TRACE DIR 0	3 SQUARE 3
LAT 49 25.6N	DAY 18	DATA USE I	BARCMETR 1016.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 80
LONG 050 57.0W	HOUR 17.2	AREA 05	CLOUD 7/6	CL/7R	WEATHER X2	ORIG 011 930 19	1 SQUARE 90

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	04.82	32.80	25.58	00.000	1467.3							
17.2	OBS	00001	04.82	32.80	25.98		1467.4							
	OBS	00003	04.66	32.88	26.06		1466.8							
	STD	00010	03.61	33.07	26.31	00.015	1462.8							
	OBS	00011	03.46	33.10	26.35		1462.2							
	STO	00020	03.25	33.13	26.39	00.031	1461.5							
	OBS	00020	03.22	33.13	26.40		1461.4							
	STO	00030	02.84	33.15	26.45	00.052	1459.9							
	OBS	00030	02.81	33.16	26.46		1459.8							
	OBS	00036	02.33	33.31	26.62		1458.0							
	OBS	00040	02.36	33.48	26.75		1458.4							
	OBS	00043	01.34	33.49	26.83		1454.0							
	OBS	00049	- 0.31	33.57	26.99		1446.7							
	STD	00050	- 0.17	33.63	27.03	00.078	1447.4							
	OBS	00051	00.15	33.76	27.12		1449.1							
	OBS	00055	00.45	33.76	27.10		1450.5							
	OBS	00059	00.28	33.73	27.09		1449.8							
	OBS	00074	00.66	33.84	27.16		1451.9							
	STO	00075	00.64	33.84	27.16	00.103	1451.8							
	OBS	00078	00.55	33.83	27.15		1451.5							
	OBS	00079	00.36	33.90	27.22		1450.7							
	STO	00100	00.51	34.07	27.35	00.123	1452.0							
	OBS	00100	00.52	34.07	27.35		1452.0							
	STO	00125	00.70	34.10	27.36	00.142	1453.3							
	OBS	00125	00.72	34.12	27.38		1453.4							
	OBS	00127	00.79	34.18	27.42		1453.9							
	OBS	00131	01.37	34.22	27.42		1456.6							
	OBS	00146	01.64 P	34.21	27.390°									
	OBS	00148	01.33	34.23	27.43		1456.7							
	STO	00150	01.32	34.25	27.44	00.159	1456.7							
	OBS	00152	01.30	34.27	27.46		1456.7							
	OBS	00156	01.50	34.28	27.45		1457.6							
	OBS	00175	01.40	34.32	27.49		1457.6							
	STO	00200	01.58	34.40	27.55	00.185	1458.5							
	OBS	00201	01.60	34.41	27.55		1459.0							
	OBS	00226	02.03	34.52	27.61		1461.5							
	STO	00250	02.40	34.62	27.66	00.214	1463.6							
	OBS	00255	02.47	34.64	27.67		1464.0							
	OBS	00277	02.71	34.72	27.71		1465.6							
	STO	00300	02.94	34.82	27.77	00.235	1467.1							
	OBS	00302	02.96	34.83	27.77		1467.2							
	OBS	00317	03.00	34.83	27.77		1467.6							

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N O O C   S T A T I O N   O A T A

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*EFIO  31  8463      YEAR 1575     BOTOP 00329    AIR TEMP  06.4    OIR HOT PER    WIND-OIR 04    INST STC RECOROER      TEN SC 1307
CONSEC     0152      MONTH  06     SHIP EV        WET BULB  05.9     00  X   X     WIND-SPD 10    TRACE OIR        0     5 SQUARE  3
LAT    49 33.5N      OAY   18      OATA USE   1   BARCOETR 1016.8    SEA            WINO-FOR       DURATION       00.3    2 SQUARE 80
LONG   393 23.5W     HOUR 18.5     AREA      05   CLOUO T/A          CL/TR          WEATHER  X1    ORIG 011 931  27      1 SQUARE 90
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CASTNUM/TIME  LVLTYP  DEPTH    TEMP     SAL    SIGMA-T  OYNOPTH  SNO VEL  OXYG    PO4  TOT_P  NO2  NO3  SIO3  PH

              STO    00000    04.80    32.90    26.06   0G.000   1467.4
       18.5   OBS    00001    04.80    32.90    26.06            1467.4
              OBS    00009    04.48    32.83    26.04            1466.1
              STO    00010    04.15    32.87    26.10   0G.015   1464.8
              OBS    00011    03.38    32.97    26.26            1461.7
              OBS    00019    02.96    32.98    26.30            1460.0
              STO    00020    02.33    32.99    26.36   00.037   1457.3
              OBS    00022    01.02    33.00    26.46            1451.5
              STO    00030    01.00    33.03    26.48   00.054   1451.6
              OBS    00030    00.95    33.03    26.49            1451.6
              OBS    00038    00.80    33.02    26.50            1449.9
              OBS    00040    00.13    33.01    26.52            1447.8
              OBS    00041    00.13    33.16    26.64            1448.0
              OBS    00045   - 0.61    33.23    26.73            1444.8
              OBS    00047   - 0.74    33.34    26.82            1444.4
              STO    00050   - 0.54    33.34    26.82   00.082   1445.3
              OBS    00051   - 0.45    33.35    26.82            1445.8
              OBS    00055   - 0.32    33.38    26.84            1446.5
              OBS    00059   - 1.03    33.37    26.86            1443.2
              STO    00075   - 0.83    33.55    26.99   00.110   1444.7
              OBS    00076   - 0.80    33.56    27.00            1444.9
              OBS    00095   - 0.06    33.73    27.11            1448.8
              OBS    00097   - 0.06    33.70    27.08 *          1448.8
              OBS    00099   - 0.27    33.74    27.12            1447.9
              STO    00100   - 0.23    33.75    27.13   00.136   1448.1
              OBS    00100   - 0.20    33.76    27.14            1448.3
              OBS    00118   - 0.01    33.93    27.26            1449.7
              OBS    00121    00.48    33.95    27.25            1452.0
              STO    00125    00.42    33.96    27.26   00.156   1451.8
              OBS    00125    00.41    33.96    27.27            1451.8
              OBS    00140    00.94    34.07    27.32            1454.6
              STO    00150    00.95    34.13    27.37   00.177   1454.5
              OBS    00152    00.96    34.14    27.38            1455.0
              OBS    00175    01.05    34.22    27.44     --      1455.9
              STO    00200    01.46    34.35    27.51   00.209   1458.3
              OBS    00201    01.45    34.36    27.52            1458.5
              OBS    00226    01.91    34.47    27.58            1460.9
              STO    00250    02.31    34.61    27.66   00.235   1463.2
              OBS    00253    02.33    34.62    27.66            1463.3
              OBS    00277    02.52    34.67    27.69            1464.7
              STO    00300    02.75    34.76    27.73   00.257   1466.3
              OBS    00300    02.80    34.76    27.73            1466.4
              OBS    00323    02.92    34.80    27.75            1467.3
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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NCDC STATION DATA

REFID	31	8463	YEAR 1975	BOTOP 00355	AIR TEMP	06.0	OIR HGT PER		WIND-DIR 05	INST STD RECORDER		TEN SQ 1307
CONSEC		0153	MONTH 06	SHIP EV	WET BULB	05.8	35 0 2		WIND-SPC 09	TRACE CIR	0	S SQUARE 3
LAT	45 36.5N		DAY 18	DATA USE 1	BAROMETR	1017.2	SEA		WIND-FOR	DURATION	00.2	2 SQUARE 80
LONG	050 10.0W		HOUR 20.5	AREA 05	CLOUD 7/4		CL/TR		WEATHER X1	ORIG 011 932 19		1 SQUARE 90

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT-P	NO2	NO3	SIO3	PH
	STD	00000	04.75	32.91	26.07	00.000	1467.2							
20.5	OBS	00003	04.75	32.91	26.07		1467.3							
	OBS	00005	04.78	32.88	26.04 *		1467.4							
	OBS	00007	03.44	32.81	26.12		1461.7							
	OBS	00009	02.82	32.93	26.27		1459.2							
	STD	00010	02.78	32.94	26.29	00.018	1459.0							
	OBS	00011	02.67	32.97	26.32		1458.6							
	STD	00020	02.58	32.96	26.32	00.036	1458.3							
	OBS	00020	02.53	52.96	26.32		1458.1							
	OBS	00024	02.24	33.00	26.38		1457.0							
	OBS	00026	00.73	33.12	26.57		1450.4							
	STD	00030	00.27	33.21	26.67	00.051	1448.5							
	OBS	00030	00.20	33.22	26.68		1448.2							
	OBS	00038	- 1.02	33.46	26.93		1443.1							
	OBS	00041	00.84	33.65	26.99		1451.5							
	OBS	00043	01.08	33.63	26.96 *		1453.0							
	OBS	00045	02.04	33.80	27.03		1457.5							
	OBS	00049	02.30	33.82	27.03		1458.8							
	STD	00050	02.08	33.79	27.02	00.076	1457.8							
	OBS	00051	01.58	33.72	27.00		1455.5							
	OBS	00057	01.50	33.68	26.97 *		1455.2							
	OBS	00059	00.34	33.63	27.01		1449.9							
	OBS	00060	- 0.34	33.64	27.05		1446.8							
	OBS	00062	- 0.53	33.73	27.13		1446.1							
	STD	00075	- 0.27	33.79	27.17	00.100	1447.6							
	OBS	00076	- 0.24	33.80	27.17		1447.8							
	OBS	00085	00.12	33.88	27.22		1449.7							
	OBS	00089	00.42	33.90	27.22		1451.2							
	STD	00100	00.61	33.99	27.28	00.121	1452.3							
	OBS	00100	00.62	34.00	27.29		1452.4							
	OBS	00119	00.62	34.10	27.37		1452.8							
	OBS	00121	01.15	34.15	27.37		1455.3							
	OBS	00123	00.84	34.10	27.35		1453.9							
	STD	00125	00.83	34.11	27.37	00.140	1453.9							
	OBS	00125	00.82	34.12	27.37		1453.9							
	STD	00150	01.09	34.24	27.45	00.158	1455.7							
	OBS	00150	01.10	34.24	27.45		1455.7							
	OBS	00175	01.64	34.38	27.52		1458.7							
	OBS	00196	01.98	34.49	27.59		1460.7							
	OBS	00159	02.38	34.52	27.58		1462.6							
	STD	00200	02.38	34.52	27.58	00.187	1462.6							
	OBS	00201	02.36	34.52	27.58		1462.5							
	OBS	00226	02.09	34.54	27.62		1461.8							
	STD	00250	02.25	34.61	27.66	00.212	1462.9							
	OBS	00251	02.26	34.61	27.66		1463.0							
	OBS	00276	02.55	34.70	27.70		1465.0							
	STD	00300	02.74	34.78	27.75	00.232	1466.2							
	OBS	00300	02.75	34.78	27.75		1466.2							
	OBS	00350	03.07	34.86	27.79		1468.5							
	OBS	00354	03.07	34.86	27.79		1468.6							

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Table II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8463	YEAR 1973	BDTDP 00730	AIR TEMP 06.5	DIR FGT PER	WIND-DIR 06	INST STD RECORDER	TEM SO 1306
CONSEC 0154	MONTH 06	SHIP EV	WET BULB 06.1	04 0 2	WIND-SPD 09	TRACE DIR 0	3 SQUARE 4
LAT 49 42.0N	DAY 18	DATA USE 1	BARDMETR 1017.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 88
LONG 049 35.1W	HOUR 22.7	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	ORIG D11 933	1 SQUARE 99

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.07	33.19	26.36	00.000	1464.7							
22.7	OBS	00003	04.07	33.19	26.36		1464.8							
	OBS	00007	03.27	33.38	26.59		1461.7							
	OBS	00009	03.40	33.53	26.71		1462.5							
	STD	00010	03.43	33.54	26.70	00.015	1462.6							
	OBS	00011	03.47	33.52	26.68		1462.8							
	OBS	00015	03.32	33.55	26.72		1462.3							
	STD	00020	02.47	33.84	27.03	00.027	1459.1							
	OBS	00020	02.39	33.90	27.08		1458.8							
	OBS	00022	02.29	34.03	27.19		1458.6							
	OBS	00024	00.93	33.90	27.19		1452.4							
	STD	00030	00.39	33.94	27.23	00.036	1450.1							
	OBS	00030	00.37	33.95	27.26		1450.0							
	OBS	00032	00.33	33.99	27.30		1449.9							
	OBS	00034	00.38	34.03	27.32		1450.3							
	OBS	00036	00.53	34.05	27.33		1451.1							
	OBS	00040	00.55	34.09	27.36		1451.2							
	STD	00050	01.06	34.17	27.40	00.052	1453.8							
	OBS	00051	01.12	34.18	27.40		1454.1							
	STD	00075	01.91	34.36	27.49	00.068	1458.2							
	OBS	00076	01.92	34.36	27.49		1458.3							
	OBS	00085	01.94	34.34	27.47		1458.5							
	STD	00100	01.68	34.37	27.51	00.083	1457.6							
	OBS	00100	01.66	34.37	27.51		1457.6							
	STD	00125	02.75	34.58	27.59	00.097	1463.0							
	OBS	00125	02.76	34.58	27.59		1463.1							
	STD	00150	02.48	34.64	27.67	00.109	1462.3							
	OBS	00152	02.47	34.65	27.67		1462.3							
	OBS	00175	02.60	34.69	27.70		1463.3							
	STD	00200	02.77	34.74	27.72	00.130	1464.6							
	OBS	00201	02.78	34.74	27.72		1464.6							
	OBS	00226	02.82	34.76	27.73		1465.2							
	STD	00250	02.86	34.77	27.74	00.149	1465.8							
	OBS	00251	02.86	34.77	27.74		1465.8							
	OBS	00276	02.90	34.79	27.75		1466.4							
	STD	00300	02.92	34.80	27.75	00.168	1466.9							
	OBS	00300	02.92	34.80	27.75		1467.0							
	OBS	00350	03.16	34.85	27.77		1468.9							
	STD	00400	03.14	34.86	27.78	00.205	1469.6							
	OBS	00401	03.14	34.86	27.78		1469.6							
	OBS	00453	03.28	34.89	27.79		1471.1							
	STD	00500	03.32	34.89	27.79	00.241	1472.1							
	OBS	00502	03.32	34.89	27.79		1472.1							
	OBS	00550	03.16	34.87	27.79		1472.2							
	STD	00600	03.14	34.87	27.79	00.277	1472.5							
	OBS	00601	03.14	34.87	27.79		1473.0							
	OBS	00651	03.11	34.88	27.80		1473.7							
	STD	00700	03.11	34.87	27.79	00.314	1474.5							
	OBS	00700	03.11	34.87	27.79		1474.5							
	OBS	00725	03.11	34.88	27.80		1474.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 01114	AIR TEMP 08.5	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1306
CONSEC 0155	MONTH 06	SHIP EV	WET BULB 07.0	00 X X	WIND-SPD 07	TRACE DIR 0	5 SQUARE 4
LAT 49 45.CN	DAY 19	DATA USE 1	BARDMETR 1016.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 83
LONG 049 41.0W	HOUR 00.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	CRIG 011 934	1 SQUARE 99

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.08	33.99	26.77	00.000	1474.1							
00.9	OBS	00003	06.08	33.99	26.77		1474.1							
	OBS	00005	06.06	33.98	26.76		1474.1							
	STD	00010	05.21	34.06	26.93	00.012	1470.8							
	OBS	00013	04.58	34.09	26.98		1469.9							
	OBS	00015	05.02	34.10	26.98		1470.1							
	STD	00020	04.83	34.12	27.02	00.023	1469.5							
	OBS	00020	04.72	34.12	27.03		1469.0							
	OBS	00022	04.41	34.11	27.06		1467.8							
	OBS	00024	03.25	34.10	27.17		1462.9							
	OBS	00026	02.76	34.30	27.37		1461.1							
	STD	00030	02.85	34.41	27.45	00.032	1461.7							
	OBS	00030	02.87	34.42	27.46		1461.8							
	OBS	00034	03.09	34.45	27.46		1462.8							
	OBS	00049	03.07	34.48	27.49		1463.0							
	STD	00050	03.03	34.48	27.49	00.044	1462.9							
	OBS	00053	02.82	34.48	27.51		1462.0							
	OBS	00057	03.01 P	34.45	27.47Q*									
	OBS	00064	02.38	34.50	27.56		1460.3							
	STD	00075	02.35	34.53	27.57	00.058	1461.2							
	OBS	00076	02.36	34.53	27.57		1461.3							
	STD	00100	02.51	34.61	27.64	00.071	1461.6							
	OBS	00100	02.51	34.61	27.64		1461.6							
	STD	00125	02.59	34.66	27.67	00.082	1462.4							
	OBS	00125	02.59	34.66	27.67		1462.4							
	STD	00150	02.60	34.70	27.70	00.093	1462.9							
	OBS	00150	02.60	34.70	27.70		1463.0							
	OBS	00175	02.77	34.74	27.72		1464.1							
	STD	00200	02.92	34.79	27.74	00.113	1465.3							
	OBS	00203	02.94	34.79	27.74		1465.4							
	OBS	00226	03.04	34.80	27.74		1466.2							
	STD	00250	03.11	34.82	27.75	00.131	1466.9							
	OBS	00251	03.11	34.82	27.75		1467.0							
	OBS	00276	03.14	34.84	27.77		1467.5							
	STD	00300	03.13	34.84	27.77	00.150	1467.9							
	OBS	00300	03.13	34.84	27.77		1467.9							
	OBS	00352	03.17	34.86	27.78		1469.0							
	STD	C0400	03.17	34.87	27.79	00.186	1469.8							
	OBS	00401	03.17	34.87	27.79		1469.8							
	OBS	00453	03.27	34.89	27.79		1471.1							
	STD	00500	03.27	34.89	27.79	00.221	1471.9							
	OBS	00500	03.27	34.89	27.79		1471.9							
	OBS	00550	03.25	34.89	27.80		1472.6							
	STD	00600	03.23	34.90	27.81	00.256	1473.4							
	OBS	00601	03.23	34.90	27.81		1473.4							
	OBS	00651	03.23	34.90	27.81		1474.2							
	STD	00700	03.24	34.90	27.80	00.292	1475.1							
	OBS	00700	03.24	34.90	27.80		1475.1							
	OBS	00750	03.23	34.90	27.81		1475.9							
	STD	00800	03.21	34.90	27.81	00.328	1476.6							
	OBS	00801	03.21	34.90	27.81		1476.6							
	OBS	00850	03.21	34.90	27.81		1477.5							
	STD	00900	03.21	34.90	27.81	00.365	1478.3							
	OBS	00900	03.21	34.90	27.81		1478.3							
	OBS	C0951	03.25	34.91	27.81		1479.3							
	STD	01000	03.27	34.91	27.81	00.403	1480.2							
	OBS	01001	03.27	34.91	27.81		1480.2							
	OBS	01052	03.32	34.93	27.82		1481.3							

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TABLE 11.   USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC   STATION   DATA

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STFIQ  31  8463     YEAR 1975    BOTDP D1483   AIR TEMP   07.0   DIR HGT PER   WIND-DIR 12   INST STC RECORDER    TEN SD 1306
CONSEC      0136     MONTH  06    SHIP EV       WET BULB   06.5   OD   A   X   WIND-SPO 10   TRACE DIA      0    3 SQUARE  4
LAT     49 53.0N     DAY   59     DATA USE   1  BAROMETR 1016.7   SEA            WIND-FOR           DURATION     00.4   2 SQUARE 88
LONG   049 20.0W     HOUR 03.2    AREA      05  CLOUD T/A          CL/TR          WEATHER A2    ORIG D11 935        3 SQUARE 99
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	85.26	33.98	26.86	0C.000	1470.7							
D3.2	OBS	00003	05.26	33.98	26.86		1470.8							
	STO	00010	04.90	34.06	26.96	00.012	1469.5							
	OBS	00011	04.82	34.07	26.98		1469.2							
	OBS	00017	04.52	34.12	27.05		1468.1							
	OBS	00019	03.89	34.16	27.15		1465.6							
	STD	00020	03.61	34.36	27.34	00.021	1464.7							
	DBS	00020	03.49	34.48	27.45		1464.3							
	DBS	00022	03.46	34.51	27.45		1465.1							
	OBS	00028	03.39	34.50	27.47		1464.1							
	STD	00030	03.25	34.47	27.46	00.028	1463.5							
	OBS	00030	03.21	34.46	27.46		1463.3							
	OBS	00032	03.10	34.46	27.47		1462.8							
	OBS	00034	02.62	34.40	27.46		1460.7							
	OBS	0C040	02.23	34.38	27.48		1459.1							
	OBS	00041	01.56	34.37	27.49		1457.9							
	STO	00050	02.02	34.42	27.53	00.040	1458.4							
	OBS	00051	02.03	34.43	27.53		1458.5							
	OBS	00062	01.71	34.43	27.56		1457.2							
	STD	00075	01.74	34.45	27.57	00.053	1457.6							
	DBS	00076	01.75	34.45	27.57		1457.7							
	STO	C0100	02.06	34.55	27.63	00.066	1459.6							
	OBS	00100	02.07	34.55	27.63		1458.6							
	STO	00125	02.34	34.62	27.66	00.078	1461.3							
	DBS	00125	02.34	34.62	27.66		1461.3							
	STO	00150	02.39	34.65	27.68	0C.085	1462.0							
	OBS	00150	02.39	34.65	27.68		1462.0							
	DBS	00175	02.64	34.71	27.71		1463.5							
	STD	00200	02.89	34.77	27.73	00.105	1465.1							
	OBS	00201	C2.90	54.77	27.73		1465.2							
	OBS	00226	03.02	34.79	27.24		1466.1							
	STO	00250	C3.10	34.83	27.76	00.128	1466.9							
	OBS	00251	03.11	34.83	22.76		1467.0							
	DBS	00276	03.29	34.85	27.76		1468.2							
	STD	00300	03.27	34.86	27.77	0D.146	1468.5							
	DBS	00300	03.27	34.86	27.77		1468.5							
	OBS	00350	03.29	34.87	22.78		1469.4							
	STD	00400	03.36	34.90	22.75	00.182	1470.6							
	DBS	00403	03.36	34.90	27.79		1470.7							
	DBS	00451	03.32	34.50	27.80		1471.3							
	STO	00500	03.30	34.89	27.79	0D.217	1472.0							
	DBS	00500	03.30	34.89	27.79		1472.0							
	DBS	00550	03.25	34.86	27.80		1472.6							
	STO	00600	03.23	34.89	27.80	0D.253	1473.4							
	OBS	00601	03.23	34.89	27.80		1473.4							
	OBS	00651	03.25	34.90	27.80		1474.3							
	STD	C0700	03.25	34.90	27.80	00.285	1475.1							
	DBS	00702	03.25	54.90	27.80		1475.2							
	DBS	00750	03.17	34.89	27.80		1475.6							
	STD	00800	03.17	34.89	27.80	0D.326	1476.4							
	OBS	00801	03.17	34.89	22.80		1476.4							
	DBS	00852	03.16	34.89	27.80		1477.3							
	STD	00900	03.21	34.90	27.81	0D.363	1478.3							
	OBS	00900	03.21	34.90	27.81		1478.3							
	OBS	00951	03.17	34.89	22.80		1479.0							
	STO	01000	03.16	34.89	27.80	00.400	1479.7							
	OBS	01003	03.16	34.89	27.80		1479.8							
	DBS	01043	03.16	34.89	27.80		1480.4							

Table 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION 0676

AEFIO 31 8463	YEAR 1975	BOTOP 01784	AIR TEMP 08.6	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SO 3308
CONSEC 0197	MONTH 06	SHIP EV	WET BULB 07.2	00 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4
LAT 45 59.7N	DAY 19	DATA USE 1	BAROMETR 1014.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 38
LONG 049 01.9b	HOUR 05.9	AREA 05	CLCUO 7/A	CL/TR	WEATHER X2	ORIG 011 936	1 SQUARE 95

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.45	34.49	26.97	00.000	1480.1							
05.9	OBS	00005	07.45	34.49	26.97		1480.2							
	OBS	00009	07.43	34.47	26.97		1480.1							
	STD	00010	07.32	34.47	26.98	00.011	1476.8							
	OBS	00013	06.88	34.48	27.05		1478.1							
	STD	00020	06.25	34.53	27.17	00.021	1475.8							
	OBS	00020	06.20	34.53	27.18		1479.6							
	OBS	00024	06.07	34.54	27.20		1475.2							
	OBS	00026	05.98	34.46	27.20		1473.1							
	STD	00030	04.91	34.50	27.31	00.026	1470.5							
	OBS	00030	04.81	34.51	27.33		1470.1							
	OBS	00034	04.08	34.58	27.47		1467.2							
	OBS	00036	03.86	34.60	27.50		1466.3							
	OBS	C0038	03.77	34.62	27.53		1466.0							
	STD	00050	03.56	34.66	27.58	00.042	1465.4							
	OBS	00051	03.54	34.66	27.58		1465.3							
	STD	00075	03.16	34.71	27.66	00.054	1464.1							
	OBS	00076	03.15	34.71	27.66		1464.1							
	STD	00100	02.96	34.76	27.72	00.065	1463.8							
	OBS	00100	02.96	34.76	27.72		1463.8							
	OBS	00108	02.94	34.78	27.74		1463.8							
	STD	00125	03.14	34.82	27.75	00.075	1465.0							
	OBS	00125	03.14	34.82	27.75		1465.0							
	STD	00150	03.16	34.84	27.76	00.084	1465.5							
	OBS	00150	03.16	34.84	27.76		1465.6							
	OBS	00175	03.29	34.86	27.77		1466.5							
	STD	00200	03.36	34.88	27.78	00.101	1467.3							
	OBS	00201	03.36	34.88	27.78		1467.3							
	OBS	00226	03.36	34.88	27.78		1467.7							
	STD	00250	03.30	34.89	27.79	00.118	1467.9							
	OBS	00251	03.30	34.89	27.79		1467.9							
	OBS	00276	03.30	34.88	27.78		1468.3							
	STD	00300	03.23	34.88	27.79	00.135	1468.4							
	OBS	00300	03.23	34.88	27.79		1468.4							
	OBS	00350	03.34	34.91	27.80		1469.7							
	STD	00400	03.34	34.91	27.80	00.169	1470.5							
	OBS	00401	03.34	34.91	27.80		1470.6							
	OBS	00453	03.34	34.91	27.80		1471.6							
	STD	00500	03.21	34.89	27.80	00.204	1471.6							
	OBS	00500	03.21	34.89	27.80		1471.6							
	OBS	00550	03.31	34.91	27.81		1472.9							
	STD	00600	03.17	34.89	27.80	00.239	1473.1							
	OBS	00601	03.17	34.89	27.80		1473.1							
	OBS	00652	03.16	34.89	27.80		1473.9							
	STD	00700	03.17	34.89	27.80	00.275	1474.8							
	OBS	00700	03.17	34.89	27.80		1474.8							
	OBS	00750	03.16	34.89	27.80		1475.6							
	STD	00800	03.16	34.90	27.81	00.311	1476.4							
	OBS	00801	03.16	34.90	27.81		1476.4							
	OBS	00852	03.16	34.90	27.81		1477.3							
	STD	00900	03.17	34.90	27.81	00.347	1478.1							
	OBS	C0900	03.17	34.90	27.81		1478.1							
	OBS	00951	03.20	34.90	27.81		1479.1							
	STD	01000	03.20	34.90	27.81	00.385	1479.6							
	OBS	01001	03.20	34.90	27.81		1479.9							
	OBS	01020	03.19	34.90	27.81		1480.2							

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TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

PERIO 31 8463	YEAR 1975	BOTOP 02526	AIR TEMP 03.5	OIR MGT PER	WIND-OIR 28	INST STO RECORDER	TEN SO 1407
CONSEC 0158	MONTH 06	SHIP EV	WET BULB 03.0	CO X X	WIND-SPD 06	TRACE OIR G	S SQUARE 3
LAT 55 14.8N	DAY 29	DATA USE 1	BARCMETR 1023.0	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 42
LONG 052 55.7W	HOUR 00.7	AREA 05	CLOUD 7/6	CL/TR	WEATHER X1	ORIG 011 937	1 SQUARE 52

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	04.29	34.16	27.11	00.000	1466.9							
00.7	OBS	00001	04.29	34.16	27.11		1467.0							
	STO	00010	04.28	34.17	27.12	00.010	1467.1							
	OBS	00011	04.29	34.17	27.12		1467.1							
	STO	00020	04.27	34.16	27.11	00.015	1467.2							
	OBS	00020	04.24	34.16	27.11		1467.2							
	STO	00030	04.11	34.18	27.15	00.025	1468.7							
	OBS	00032	04.06	34.19	27.16		1466.6							
	STO	00050	03.50	34.25	27.26	00.046	1464.5							
	OBS	00051	03.43	34.25	27.27		1464.6							
	OBS	00057	03.11	34.24	27.29		1463.0							
	OBS	00064	02.44	34.36	27.45		1460.4							
	STO	00075	02.18	34.44	27.56	00.064	1459.4							
	OBS	00076	02.14	34.45	27.54		1459.4							
	OBS	00093	02.09	34.47	27.56		1459.5							
	STO	00100	02.09	34.47	27.56	00.077	1459.4							
	OBS	00100	02.09	34.47	27.56		1459.6							
	STO	00125	02.16	34.54	27.61	00.090	1460.4							
	OBS	00125	02.16	34.54	27.61		1460.4							
	STO	00150	02.32	34.59	27.64	00.102	1461.6							
	OBS	00152	02.34	34.60	27.65		1461.7							
	OBS	00175	02.59	34.65	27.66		1463.2							
	STO	00200	02.77	34.70	27.69	00.125	1464.5							
	OBS	00201	02.78	34.70	27.69		1464.8							
	OBS	00226	02.98	34.74	27.70		1465.5							
	STO	00250	03.02	34.75	27.70	00.146	1464.5							
	OBS	00253	03.03	34.75	27.70		1466.8							
	OBS	00276	03.09	34.76	27.71		1467.2							
	STO	00300	03.25	34.75	27.72	00.167	1468.3							
	OBS	00300	03.25	34.79	27.72		1468.4							
	OBS	00350	03.50	34.86	27.75		1470.3							
	STO	00400	03.57	34.87	27.75	00.207	1471.5							
	OBS	00403	03.57	34.87	27.75		1471.5							
	OBS	00451	03.54	34.88	27.76		1472.2							
	STO	00500	03.53	34.88	27.76	00.246	1473.0							
	OBS	00502	03.53	34.88	27.76		1473.0							
	OBS	00550	03.48	34.88	27.77		1473.6							
	STO	00600	03.45	34.88	27.77	00.285	1474.3							
	OBS	00601	03.45	34.88	27.77		1474.3							
	OBS	00651	03.39	34.88	27.77		1474.9							
	STO	00700	03.39	34.88	27.77	00.324	1475.7							
	OBS	00702	03.39	34.88	27.77		1475.7							
	OBS	00750	03.39	34.89	27.78		1476.5							
	STO	00800	03.41	34.89	27.78	00.364	1477.5							
	OBS	00801	03.41	34.89	27.78		1477.5							
	OBS	00850	03.42	34.89	27.78		1478.3							
	STO	00900	03.45	34.90	27.78	00.403	1479.3							
	OBS	00900	03.45	34.90	27.78		1479.3							
	OBS	00951	03.44	34.90	27.79		1480.1							
	STO	01000	03.42	34.90	27.79	00.443	1480.5							
	OBS	01003	03.42	34.90	27.79		1480.9							
	STO	01100	03.46	34.91	27.79	00.484	1482.7							
	OBS	01100	03.46	34.91	27.79		1482.7							
	STO	01200	03.46	34.92	27.80	00.525	1484.4							
	OBS	01201	03.46	34.92	27.80		1484.4							
	STO	01300	03.45	34.92	27.80	00.566	1486.0							
	OBS	01302	03.45	34.92	27.80		1486.1							
	STO	01400	03.46	34.94	27.81	00.608	1487.8							
	OBS	01402	03.46	34.94	27.81		1487.8							
	STO	01500	03.46	34.94	27.81	00.649	1489.5							
	OBS	01500	03.46	34.94	27.81		1489.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

RSFID 31 8463	YEAR 1975	BOTOP 02350	AIR TEMP 03.0	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1407
CONSEC 0155	MONTH 06	SHIP EV	WET BULB 02.4	00 A A	WIND-SPD 12	TRACE DIR C	5 SQUARE 3
LAT 53 06.5N	DAY 29	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 42
LONG 033 01.6W	HOUR 04.3	AREA 05	CLOUD T/A	CL/TR	WEATHER A2	ORIG 011 930	1 SQUARE 53

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT-P	NO2	NO3	SIO3	PH
	STO	00000	03.17	34.15	27.20	00.000	1462.2							
04.3	OBS	00003	03.17	34.130	27.20		1462.2							
	STO	00010	03.16	34.13	27.20	00.009	1462.3							
	OBS	00011	03.16	34.13	27.20		1462.3							
	OBS	00013	02.85	34.11	27.21		1461.0							
	STO	00020	02.50	34.18	27.30	00.017	1459.6							
	OBS	00020	02.44	34.19	27.31		1459.4							
	STO	00030	01.70	34.33	27.48	00.024	1456.5							
	OBS	00030	01.67	34.34	27.49		1456.4							
	STO	00050	01.42	34.43	27.56	00.035	1455.7							
	OBS	00051	01.40	34.44	27.59		1455.7							
	STO	00073	02.12	34.59	27.65	00.048	1459.5							
	OBS	00076	02.15	34.59	27.65		1459.6							
	STO	00100	02.56	34.65	27.67	00.059	1461.9							
	OBS	00100	02.57	34.65	27.67		1461.9							
	STO	00125	02.90	34.72	27.69	00.070	1463.9							
	OBS	00125	02.91	34.72	27.69		1463.9							
	STO	00150	03.09	34.74	27.69	00.080	1465.1							
	OBS	00150	03.09	34.74	27.69		1465.1							
	OBS	00175	03.15	34.75	27.69		1465.8							
	STO	00200	03.24	34.78	27.71	00.101	1466.7							
	OBS	00201	03.26	34.78	27.71		1466.8							
	OBS	00226	03.59	34.84	27.72		1468.6							
	STO	00250	03.66	34.85	27.72	00.122	1469.5							
	OBS	00251	03.66	34.85	27.72		1469.4							
	OBS	00276	03.53	34.85	27.74		1469.2							
	STO	00300	03.52	34.85	27.74	00.141	1469.6							
	OBS	00300	03.52	34.85	27.74		1469.6							
	OBS	00350	03.45	34.85	27.74		1470.1							
	STO	00400	03.38	34.85	27.75	00.181	1470.6							
	OBS	00403	03.36	34.85	27.75		1470.6							
	OBS	00451	03.36	34.85	27.75		1471.4							
	STO	00500	03.36	34.86	27.76	00.219	1472.2							
	OBS	00502	03.36	34.86	27.76		1472.3							
	OBS	00550	03.36	34.86	27.76		1473.0							
	STO	00600	03.39	34.87	27.77	00.258	1474.0							
	OBS	00601	03.39	34.87	27.77		1474.0							
	OBS	00651	03.42	34.88	27.77		1475.0							
	STO	00700	03.42	34.88	27.77	00.297	1475.8							
	OBS	00702	03.42	34.88	27.77		1475.9							
	OBS	00751	03.46	34.88	27.77		1476.9							
	STO	00800	03.46	34.88	27.77	00.338	1477.7							
	OBS	00801	03.46	34.88	27.77		1477.7							
	OBS	00850	03.42	34.89	27.78		1478.3							
	STO	00900	03.45	34.89	27.78	00.378	1479.3							
	OBS	00900	03.45	34.89	27.78		1479.3							
	OBS	00951	03.42	34.89	27.78		1480.0							
	STO	01000	03.41	34.89	27.78	00.415	1480.8							
	OBS	01001	03.41	34.89	27.78		1480.8							
	STO	01100	03.36	34.89	27.78	00.460	1482.3							
	OBS	01100	03.38	34.89	27.78		1482.3							
	STO	01200	03.36	34.89	27.78	00.502	1483.5							
	OBS	01201	03.36	34.89	27.78		1483.9							
	STO	01300	03.34	34.89	27.79	00.544	1485.3							
	OBS	01300	03.34	34.89	27.79		1485.3							
	STO	01400	03.25	34.88	27.79	00.587	1486.8							
	OBS	01401	03.25	34.88	27.79		1486.8							
	STO	01500	03.38	34.90	27.79	00.630	1489.1							
	OBS	01500	03.38	34.90	27.79		1489.1							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

FEFIO 31 8463	YEAR 1975	BQTOP 01624	AIR TEMP 03.6	DIR HGT PER	WIND-DIR 25	INST STO RECORDER	TEN SQ 1407
CONSEC 0160	MONTH 06	SHIP EV	WET BULB 03.2	00 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 1
LAT 34 58.7N	DAY 25	DATA USE 1	BARCHETA 1022.6	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 42
LONG 055 24.0W	HOUR 06.8	AREA 05	CLCUD 7/A	CL/TR	WEATHER X1	ORIG 011 939	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	03.79	34.26	27.24	00.000	1465.0							
06.8	OBS	00001	03.79	34.26	27.24		1465.0							
	STO	00010	03.76	34.26	27.24	00.008	1465.0							
	OBS	00011	03.75	34.26	27.25		1465.0							
	STO	00020	03.68	34.27	27.26	00.017	1464.9							
	OBS	00020	03.67	34.27	27.26		1464.8							
	STO	00030	03.52	34.25	27.26	00.025	1464.3							
	OBS	00030	03.51	34.25	27.26		1464.3							
	OBS	00040	03.30	34.28	27.30		1463.6							
	OBS	00041	02.70	34.21	27.30		1460.9							
	OBS	00043	02.25	34.26	27.38		1459.1							
	STO	00050	01.72	34.32	27.47	00.039	1456.9							
	OBS	00051	01.64	34.33	27.48		1456.6							
	OBS	00055	01.40	34.36	27.53		1455.7							
	STO	00075	01.69	34.45	27.58	00.054	1457.4							
	OBS	00076	01.71	34.46	27.58		1457.5							
	OBS	00097	02.14	34.59	27.65		1459.5							
	STO	00100	02.48	34.63	27.66	00.066	1461.5							
	OBS	00100	02.57	34.64	27.66		1461.9							
	STO	00125	03.08	34.69	27.65	00.077	1464.6							
	OBS	00127	03.11	34.69	27.65		1464.8							
	STO	00150	03.24	34.70	27.65	00.089	1465.7							
	OBS	00150	03.24	34.70	27.65		1465.7							
	OBS	00175	03.02	34.70	27.67		1465.2							
	STO	00200	03.40	34.76	27.68	00.112	1467.3							
	OBS	00201	03.41	34.76	27.68		1467.4							
	OBS	00226	03.41	34.77	27.68		1467.8							
	STO	00250	03.54	34.80	27.69	00.133	1468.8							
	OBS	00251	03.55	34.80	27.69		1468.8							
	OBS	00276	03.61	34.81	27.70		1469.5							
	STO	00300	03.64	34.83	27.71	00.155	1470.1							
	OBS	00300	03.64	34.83	27.71		1470.1							
	OBS	00350	03.70	34.85	27.72		1471.2							
	STO	00400	03.63	34.86	27.73	00.196	1471.7							
	OBS	00401	03.63	34.86	27.73		1471.7							
	OBS	00453	03.66	34.87	27.74		1472.7							
	STO	00500	03.57	34.86	27.74	00.237	1473.1							
	OBS	00500	03.57	34.86	27.74		1473.1							
	OBS	00550	03.54	34.86	27.74		1473.8							
	STO	00600	03.45	34.86	27.75	00.278	1474.3							
	OBS	00601	03.45	34.86	27.75		1474.3							
	OBS	00651	03.36	34.85	27.75		1474.7							
	STO	00700	03.36	34.85	27.75	00.318	1475.5							
	OBS	00700	03.36	34.85	27.75		1475.5							
	OBS	00750	03.36	34.85	27.75		1476.4							
	STO	00800	03.36	34.86	27.76	00.359	1477.2							
	OBS	00801	03.36	34.86	27.76		1477.2							
	OBS	00850	03.38	34.86	27.76		1478.1							
	STO	00900	03.39	34.87	27.77	00.401	1479.0							
	OBS	00900	03.39	34.87	27.77		1479.0							
	OBS	00953	03.39	34.87	27.77		1479.9							
	STO	01000	03.36	34.87	27.77	00.442	1480.6							
	OBS	01001	03.36	34.87	27.77		1480.6							
	STO	01100	03.27	34.86	27.77	00.485	1481.8							
	OBS	01102	03.27	34.86	27.77		1481.9							
	STO	01200	03.27	34.87	27.78	00.527	1483.5							
	OBS	01203	03.27	34.87	27.78		1483.6							
	STO	01300	03.29	34.87	27.78	00.570	1485.3							
	OBS	01302	03.29	34.87	27.78		1485.3							
	STO	01400	03.27	34.86	27.77	00.614	1486.9							
	OBS	01401	03.27	34.86	27.77		1486.9							
	STO	01500	03.32	34.88	27.78	00.658	1488.8							
	OBS	01501	03.32	34.88	27.78		1488.8							
	OBS	01505	03.32	34.88	27.78		1488.9							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 00493	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SO 1407
CONSEC 0101	MONTH 06	SHIP EV	WET BULB 02.6	00 X X	WIND-SPD 06	TRACE DIR 0	S SQUARE 1
LAT 54 51.2N	DAY 29	DATA USE 1	BARCMETR 1022.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 42
LONG 053 43.7W	HOUR 09.5	AREA 05	CLOUD T/A	CL/TR	WEATHER AO	ORIG 011 940	S SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.22	33.59	26.65	00.000	1457.3							
09.5	OBS	00000	02.22	33.59	26.65		1457.3							
	OBS	00003	02.22	33.58	26.64		1457.3							
	STD	00010	02.31	33.64	26.68	00.012	1457.5							
	OBS	00011	02.34	33.65	26.69		1458.1							
	STD	00020	02.66	33.75	26.94	00.024	1459.8							
	OBS	00020	02.69	33.76	26.95		1459.9							
	STD	00030	02.91	33.92	27.05	00.034	1461.3							
	OBS	00032	02.92	33.94	27.07		1461.4							
	OBS	00034	02.91	33.95	27.08		1461.4							
	OBS	00038	02.67	33.94	27.09		1460.4							
	OBS	00040	02.16	33.94	27.13		1458.2							
	OBS	00043	01.36	34.02	27.26		1454.8							
	STD	00050	00.55	34.06	27.32	00.052	1453.1							
	OBS	00051	00.68	34.06	27.34		1452.9							
	OBS	00053	00.80	34.11	27.36		1452.6							
	STD	00075	01.32	34.28	27.47	00.070	1455.5							
	OBS	00076	01.34	34.29	27.47		1455.6							
	STD	00100	01.73	34.39	27.52	00.084	1457.9							
	OBS	00100	01.74	34.39	27.53		1457.9							
	STD	00125	01.62	34.44	27.57	00.098	1457.9							
	OBS	00125	01.62	34.44	27.57		1457.9							
	STD	00150	01.98	34.53	27.62	00.111	1460.0							
	OBS	00150	01.98	34.53	27.62		1460.0							
	OBS	00175	02.09	34.56	27.63		1460.9							
	OBS	00192	02.34	34.62	27.66		1462.4							
	STD	00200	02.77	34.67	27.67	00.134	1464.4							
	OBS	00201	02.84	34.68	27.67		1464.8							
	OBS	00226	02.91	34.69	27.67		1465.5							
	STD	00250	03.00	34.71	27.67	00.157	1466.3							
	OBS	00253	03.01	34.71	27.67		1466.4							
	OBS	00276	03.11	34.73	27.68		1467.3							
	STD	00300	03.16	34.74	27.68	00.179	1467.9							
	OBS	00302	03.17	34.74	27.68		1468.0							
	OBS	00350	03.27	34.76	27.69		1469.2							
	STD	00400	03.47	34.80	27.70	00.223	1470.5							
	OBS	00403	03.46	34.80	27.70		1471.0							
	OBS	00451	03.55	34.83 P	27.720										
	OBS	00493	03.55	34.80	27.69 *		1472.8							

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REFID 31 8463	YEAR 1975	BOTDP 00273	AIR TEMP 02.5	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SO 1407
CONSEC 0102	MONTH 06	SHIP EV	WET BULB 02.4	00 X X	WIND-SPD 11	TRACE DIR 0	S SQUARE 1
LAT 54 42.7N	DAY 29	DATA USE 1	BARCMETR 1020.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 42
LONG 053 55.6W	HOUR 11.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 941 11	S SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.62	33.01	26.48	00.000	1450.3							
11.2	OBS	00001	00.62	33.01	26.48		1450.3							
	OBS	00005	00.77	33.00	26.48		1450.1							
	STD	00010	00.68	33.02	26.50	00.016	1449.8							
	OBS	00011	00.65	33.03	26.51		1449.7							
	STD	00020	00.52	33.06	26.54	00.031	1449.3							
	OBS	00020	00.48	33.06	26.54		1449.1							
	OBS	00028	- 0.04	33.00	26.52		1448.8							
	STD	00030	- 0.45	33.04	26.56	00.046	1445.0							
	OBS	00032	- 0.98	33.17	26.69		1442.7							
	OBS	00034	- 1.25	33.34	26.84		1441.7							
	STD	00050	- 1.09	33.58	27.03	00.071	1443.1							
	OBS	00051	- 1.07	33.80	27.04		1443.2							
	STD	00075	- 0.55	33.79	27.18	00.095	1446.3							
	OBS	00076	- 0.52	33.80	27.18		1446.5							
	STD	00100	00.11	33.96	27.29	00.116	1450.0							
	OBS	00100	00.13	33.97	27.29		1450.1							
	STD	00125	00.54	34.10	27.37	00.135	1452.6							
	OBS	00125	00.59	34.10	27.37		1452.8							
	STD	00150	00.72	34.12	27.38	00.153	1453.8							
	OBS	00150	00.72	34.12	27.38		1453.8							
	OBS	00175	00.72	34.13	27.39		1454.3							
	STD	00200	01.02	34.23	27.45	00.167	1456.2							
	OBS	00201	01.04	34.24	27.45		1456.3							
	OBS	00226	01.27	34.31	27.49		1457.8							
	OBS	00249	01.52	34.36	27.52		1459.4							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8463	YEAR 1975	BOTDP 00232	AIR TEMP 03.5	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1407
CONSEC 0163	MONTH 06	SHIP EV	WET BULB 03.5	22 2 3	WIND-SPD 08	TRACE DIR C	5 SQUARE 1
LAT 54 34.0N	DAY 29	DATA USE 1	BAROMETR 1022.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 44
LONG 054 10.7W	HOUR 12.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 942	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.66	32.36	25.97	00.000	1448.6							
12.5	OBS	00001	00.66	32.36	25.97		1448.7							
	OBS	00003	00.62	32.36	25.97		1448.5							
	OBS	00007	00.23	32.43	26.05		1446.9							
	OBS	00009	00.12	32.46	26.08		1446.5							
	STD	00010	00.06	32.46	26.08	00.020	1446.2							
	OBS	00013	- 0.45	32.57	26.19		1444.1							
	OBS	00017	- 1.20	32.90	26.48		1441.1							
	STD	00020	- 1.22	33.07	26.62	00.037	1441.3							
	OBS	00020	- 1.24	33.11	26.65		1441.2							
	OBS	00022	- 1.29	33.18	26.71		1441.1							
	STD	00030	- 1.25	33.25	26.77	00.050	1441.5							
	OBS	00030	- 1.25	33.26	26.77		1441.6							
	STD	00050	- 1.15	33.48	26.95	00.074	1442.7							
	OBS	00051	- 1.14	33.49	26.96		1442.8							
	STD	00075	- 1.00	33.65	27.08	00.101	1444.0							
	OBS	00076	- 0.99	33.66	27.09		1444.1							
	STD	00100	- 0.81	33.76	27.16	00.124	1445.5							
	OBS	00102	- 0.75	33.77	27.17		1445.8							
	STD	00125	- 0.02	33.90	27.24	00.146	1449.7							
	OBS	00125	- 0.01	33.90	27.24		1449.8							
	STD	00150	00.28	34.04	27.34	00.168	1451.7							
	OBS	00150	00.28	34.04	27.34		1451.7							
	OBS	00175	00.50	34.07	27.35		1453.2							
	STD	00200	00.65	34.16	27.41	00.202	1454.4							
	OBS	00201	00.66	34.16	27.41		1454.5							
	OBS	00226	00.86	34.21	27.44		1455.9							
	OBS	00232	00.87	34.22	27.45		1456.0							

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REFID 31 8463	YEAR 1975	BOTDP 00201	AIR TEMP 03.8	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1407
CONSEC 0164	MONTH 06	SHIP EV	WET BULB 03.8	20 1 4	WIND-SPD 10	TRACE DIR D	5 SQUARE 1
LAT 54 27.6N	DAY 29	DATA USE 1	BAROMETR 1019.9	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 44
LONG 054 26.7W	HOUR 14.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 943 10	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.53	32.73	26.21	00.000	1453.1							
14.4	OBS	00000	01.53	32.73	26.21		1453.1							
	OBS	00003	01.51	32.72	26.20		1453.0							
	STD	00010	01.50	32.87	26.32	00.018	1453.3							
	OBS	00011	01.49	32.88	26.33		1453.3							
	OBS	00015	01.46	32.87	26.33		1453.2							
	OBS	00017	01.02	32.80	26.30 •		1451.2							
	OBS	00019	- 0.12	32.87	26.42		1446.1							
	STD	00020	- 0.45	32.87	26.43	00.034	1444.6							
	OBS	00020	- 0.69	32.91	26.47		1443.5							
	OBS	00022	- 1.02	33.08	26.62		1442.3							
	OBS	00026	- 1.00	33.17	26.69		1442.6							
	OBS	00028	- 1.19	33.18	26.71		1441.7							
	STD	00030	- 1.14	33.23	26.75	00.049	1442.0							
	OBS	00030	- 1.13	33.25	26.76		1442.1							
	OBS	00036	- 1.26	33.30	26.81		1441.7							
	STD	00050	- 1.09	33.47	26.94	00.073	1442.9							
	OBS	00051	- 1.06	33.49	26.95		1443.0							
	STD	00075	- 0.96	33.67	27.10	00.099	1444.3							
	OBS	00076	- 0.95	33.68	27.10		1444.3							
	STD	00100	- 0.66	33.77	27.17	00.123	1446.2							
	OBS	00102	- 0.63	33.78	27.17		1446.4							
	STD	00125	- 0.41	33.85	27.22	00.145	1447.9							
	OBS	00125	- 0.40	33.85	27.22		1447.9							
	STD	00150	- 0.02	33.96	27.29	00.165	1450.2							
	OBS	00150	- 0.01	33.96	27.29		1450.3							
	OBS	00175	00.41	34.10	27.38		1452.8							
	OBS	00196	00.76	34.19	27.43		1454.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8463	YEAR 1975	BOTOP 00175	AIR TEMP 04.5	DIA MGT PER	WIND-DIR 21	INST STD RECORDER	TEN SO 1407
CONSEC 0165	MONTH 06	SHIP EV	WET BULB 04.2	00 X X	WIND-SPD 09	TRACE DIA D	5 SQUARE 1
LAT 54 19.1N	DAY 29	DATA USE 1	BARCMETR 1021.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 44
LONG 054 39.7W	HOUR 16.2	AREA 05	CLOUD 7/A	CL/TR	WEATHER A0	ORIG 011 944 08	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	03003	01.08	31.54	25.29	00.000	1449.4							
16.2	OBS	00001	01.08	31.54	25.29		1449.4							
	OBS	00005	00.68	31.46	25.24 •		1447.5							
	STD	00010	00.46	31.76	25.49	00.026	1447.1							
	OBS	00011	00.40	31.84	25.56		1446.9							
	OBS	00017	00.20	32.09	25.77		1446.5							
	OBS	00019	- 0.31	32.45	26.09		1444.6							
	STD	00020	- 0.76	32.60	26.23	00.047	1442.8							
	OBS	00020	- 1.05	32.72	26.33		1441.6							
	DBS	00022	- 1.30	32.89	26.48		1440.7							
	OBS	00028	- 1.46	33.01	26.58		1440.2							
	STD	00030	- 1.45	33.02	26.59	00.064	1440.3							
	OBS	00030	- 1.44	33.03	26.59		1440.4							
	STD	00050	- 1.38	33.26	26.77	00.091	1441.3							
	OBS	00051	- 1.37	33.27	26.78		1441.4							
	STD	00075	- 1.13	33.49	26.96	00.121	1443.2							
	OBS	00076	- 1.12	33.50	26.96		1443.3							
	STD	00100	- 0.99	33.62	27.05	00.147	1444.4							
	OBS	00104	- 0.96	33.64	27.07		1444.7							
	STD	00125	- 0.82	33.75	27.15	00.171	1445.8							
	OBS	00125	- 0.81	33.75	27.15		1445.9							
	STD	00150	- 0.19	33.92	27.26	00.193	1449.4							
	OBS	00150	- 0.18	33.92	27.26		1449.5							
	OBS	00169	00.27	34.07	27.36		1452.0							

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REFID 31 8463	YEAR 1975	BOTOP 00172	AIR TEMP 06.8	DIR MGT PER	WIND-DIR 20	INST STD RECORDER	TEN SO 1407
CONSEC 0166	MONTH 06	SHIP EV	WET BULB 05.4	10 1 5	WIND-SPD 11	TRACE DIR D	5 SQUARE 1
LAT 54 10.8N	DAY 29	DATA USE 1	BARCMETR 1021.4	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 44
LONG 054 55.6W	HOUR 18.0	AREA 05	CLCUD 7/A	CL/TR	WEATHER X1	ORIG 011 945 10	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.16	31.42	25.12	00.000	1454.1							
18.0	OBS	00001	02.16	31.42	25.12		1454.1							
	OBS	00003	02.10	31.41	25.12		1453.9							
	OBS	00007	01.46	31.50	25.23		1451.2							
	STD	00010	01.32	31.50	25.24	00.028	1450.6							
	OBS	00011	01.20	31.50	25.25		1450.1							
	OBS	00015	00.77	31.87	25.57		1448.7							
	OBS	00017	00.10	32.29	25.94		1446.3							
	STD	00020	- 0.40	32.64	26.24	00.051	1444.5							
	OBS	00020	- 0.54	32.71	26.30		1444.0							
	OBS	00024	- 1.04	32.83	26.42		1441.9							
	OBS	00026	- 1.20	32.93	26.50		1441.3							
	STD	00030	- 1.15	32.98	26.54	00.067	1441.6							
	OBS	00030	- 1.14	32.99	26.55		1441.7							
	OBS	00032	- 1.18	33.05	26.60		1441.6							
	OBS	00047	- 1.27	33.26	26.77		1441.8							
	STD	00050	- 1.22	33.28	26.79	00.095	1442.1							
	OBS	00051	- 1.19	33.29	26.80		1442.2							
	STD	00075	- 0.99	33.52	26.98	00.124	1443.9							
	OBS	00076	- 0.58	33.53	26.96		1444.0							
	STD	00100	- 0.72	33.71	27.12	00.150	1445.8							
	OBS	00100	- 0.70	33.72	27.13		1445.9							
	STD	00125	00.04	33.99	27.31	00.171	1450.1							
	OBS	00125	00.06	34.00	27.32		1450.3							
	STD	00150	01.00	34.30	27.50	00.188	1455.3							
	OBS	00150	01.01	34.30	27.50		1455.4							
	OBS	00169	01.14	34.32	27.51		1456.3							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

REFID 31 8463   YEAR 1575   BOTOP 00150   AIR TEMP   05.5   DIR HGT PER   WIND-DIR 16   INST STD RECORDER   TEN SO 1407
CONSEC   0167   MONTH 06   SHIP EV   WET BULB   04.2   15 1 4   WIND-SPO 12   TRACE DIR   G   5 SQUARE 2
LAT   54 02.6N   DAY   29   DATA USE 1   BARCMETR 1021.4   SEA   WIND-FOR   DURATION   00.1   2 SQUARE 44
LONG   055 06.6W   HOUR 19.5   AREA   05   CLOUD T/A   CL/TR   WEATHER X2   ORIG 011 646   1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.36	31.25	25.00	00.000	1454.8							
19.5	OBS	00001	02.36	31.25	25.00		1454.8							
	OBS	00009	02.32	31.27	24.99		1454.7							
	STD	00010	02.21	31.23	24.97	00.030	1454.2							
	OBS	00011	01.54	31.18	24.94 ●		1453.0							
	OBS	00015	01.41	31.42	25.17		1451.0							
	OBS	00017	00.80	31.93	25.61		1449.0							
	OBS	00019	00.71	32.24	25.87		1449.0							
	STD	00020	00.45	32.37	25.98	00.055	1448.0							
	OBS	00020	00.16	32.48	26.09		1446.9							
	OBS	00022	- 0.64	32.71	26.31		1443.5							
	OBS	00026	- 1.12	32.83	26.42		1441.5							
	STD	00030	- 1.16	32.88	26.46	00.073	1441.5							
	OBS	00030	- 1.17	32.89	26.47		1441.4							
	OBS	00032	- 1.23	32.96	26.53		1441.3							
	OBS	00034	- 1.05	33.00	26.56		1442.2							
	OBS	00036	- 1.07	32.96	26.54		1442.1							
	OBS	0CD38	- 1.20	33.09	26.63		1441.7							
	STD	00050	- 1.29	33.24	26.76	00.102	1441.7							
	OBS	00051	- 1.29	33.28	26.77		1441.7							
	STD	00075	- 1.12	33.48	26.95	00.132	1443.2							
	OBS	00076	- 1.11	33.49	26.95		1443.3							
	STD	00100	- 0.69	33.71	27.12	00.156	1446.0							
	OBS	00100	- 0.67	33.72	27.12		1446.1							
	STD	00125	- 0.18	33.90	27.25	0C.180	1449.0							
	OBS	00125	- 0.16	33.91	27.26		1449.1							
	OBS	00142	00.43	34.10	27.38		1452.4							

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REFID 31 8463   YEAR 1575   BOTOP 00166   AIR TEMP   04.3   DIR HGT PER   WIND-DIR 15   INST STD RECORDER   TEN SO 1407
CONSEC   0168   MONTH 06   SHIP EV   WET BULB   03.4   15 0 2   WIND-SPO 10   TRACE DIR   D   5 SQUARE 2
LAT   53 55.4N   DAY   29   DATA USE 1   BARCMETR 1021.4   SEA   WIND-FOR   DURATION   00.1   2 SQUARE 24
LONG   055 23.5W   HOUR 21.2   AREA   05   CLOUD T/A   CL/TR   WEATHER X2   ORIG 011 947 10   1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.63	31.09	24.89	00.000	1451.3							
21.2	OBS	00003	01.63	31.09	24.89		1451.3							
	OBS	00005	01.49	31.12	24.93		1450.8							
	OBS	00007	01.06	31.27	25.07		1445.1							
	STD	00010	00.40	31.80	25.53	00.028	1446.8							
	OBS	00011	- 0.11	32.13	25.82		1445.0							
	OBS	00013	- 0.94	32.60	26.23		1441.8							
	OBS	00015	- 1.24	32.76	26.37		1440.7							
	STD	00020	- 1.32	32.82	26.42	00.048	1440.4							
	OBS	00020	- 1.34	32.83	26.43		1440.4							
	STD	00030	- 1.56	32.99	26.56	00.064	1439.7							
	OBS	00030	- 1.56	32.99	26.56		1439.7							
	OBS	00032	- 1.57	33.00	26.57		1439.7							
	STD	00050	- 1.44	33.12	26.66	00.052	1440.8							
	OBS	00051	- 1.43	33.13	26.67		1440.9							
	STD	00075	- 1.29	33.34	26.84	0C.125	1442.2							
	OBS	00076	- 1.29	33.35	26.85		1442.3							
	STD	00100	- 1.23	33.48	26.55	00.154	1443.1							
	OBS	00100	- 1.21	33.49	26.96		1443.2							
	OBS	00104	- 1.09	33.53	26.99		1443.5							
	STD	00125	- 1.01	33.64	27.07	00.180	1444.8							
	OBS	00125	- 1.00	33.64	27.07		1444.8							
	OBS	00140	- 0.67	33.80	27.19		1446.9							
	OBS	00144	- 0.38	33.85	27.22		1448.3							
	STD	00150	- 0.24	33.89	27.24	00.203	1449.1							
	OBS	00150	- 0.23	33.89	27.24		1449.2							
	CBS	00154	- 0.20	33.91	27.26		1449.4							
	OBS	00165	00.14	34.01	27.32		1451.3							

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TABLE II.   USCGC EVERGREEN, April and May-June, 1977.—Continued

N O C C   S T A T I O N   C A T A

*EFIO 31 8463	YEAR 1975	BOTOP 00152	AIR TEMP 04.1	DIR HGT PER	WIND-DIR 14	INST STO RECORDER	TEN SO 1407
CONSEC 0165	MONTH 06	SHIP EV	WET BULB 03.2	00 X X	WIND-SPO 11	TRACE DIR 0	5 SQUARE 2
LAT 53 47.7N	DAY 29	DATA USE 1	BARCHETR 1021.3	SEA	WINO-FOR	DURATION 00.1	2 SQUARE 24
LONG 055 39.1W	HOUR 23.7	AREA 05	CLOUD T/1	CL/TR	WEATHER X2	ORIG 011 948 11	1 SQUARE 95

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.29	31.16	24.97	00.000	1449.8							
23.7	OBS	00001	01.29	31.16	24.97		1449.5							
	OBS	00003	01.31	31.16	24.97		1450.0							
	OBS	00005	01.13	31.17	24.99		1449.2							
	OBS	00009	00.25	31.60	25.38		1445.5							
	STO	00010	00.20	31.66	25.43	00.028	1445.7							
	OBS	00013	- 0.31	32.06	25.77		1444.0							
	OBS	00015	- 0.72	32.28	25.96		1442.4							
	OBS	00019	- 0.83	32.38	26.05		1442.1							
	STO	00020	- 1.00	32.52	26.17	00.050	1441.5							
	OBS	00020	- 1.14	32.62	26.25		1441.0							
	OBS	00026	- 1.54	32.79	26.40		1439.5							
	STO	00030	- 1.47	32.82	26.43	00.067	1439.9							
	OBS	00030	- 1.46	32.83	26.43		1440.0							
	STO	C0050	- 1.42	33.06	26.62	00.098	1440.8							
	OBS	00051	- 1.38	33.08	26.63		1441.1							
	OBS	00055	- 1.23	33.05	26.60 •		1441.8							
	OBS	00057	- 1.35	33.15	26.69		1441.2							
	STO	00075	- 1.38	33.26	26.78	00.131	1441.7							
	OBS	00076	- 1.38	33.27	26.78		1441.7							
	STO	00100	- 1.27	33.40	26.85	00.162	1442.5							
	OBS	00100	- 1.26	33.41	26.89		1442.5							
	STO	00125	- 1.10	33.55	27.00	00.190	1444.2							
	OBS	00125	- 1.10	33.55	27.00		1444.3							
	OBS	00148	- 0.96	33.61	27.05		1445.4							

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TABLE 11. USCGC EVERGREEN, April and May-June, 1977.—Continued

NOOC STATION DATA

REFIO 31 8463	YEAR 1975	BOTOP 03002	AIA TEMP 05.8	OIR HGT PER	WIND-OIR 28	INST STO RECOROER	TEN SO 1407
CONSEC 0170	MONTH 06	SHIP EV	WET BULB 05.1	29 1 3	WIND-SPD 08	TRACE OIR 0	5 SQUARE 3
LAT 5S 15.7N	OAY 30	OATA USE 1	BARCHETR 1023.4	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 42
LONG 352 53.9W	HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER XO	OAIG 011 949 11	1 SQUARE 52

CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	04.31	34.08	27.04	00.000	1466.9							
11.9	OBS	00001	04.31	34.08	27.04		1467.0							
	OBS	00007	04.45	34.25	27.18		1467.9							
	OBS	00009	05.14	34.44	27.24		1471.0							
	STO	00010	05.06	34.41	27.23	00.009	1470.6							
	OBS	00013	04.45	34.34	27.24		1468.1							
	OBS	00015	04.06	34.37	27.30		1466.5							
	STO	00020	03.67	34.37	27.34	00.017	1464.9							
	OBS	00020	03.57	34.37	27.35		1464.5							
	OBS	00026	02.77	34.28	27.35		1461.1							
	OBS	00028	02.27	34.32	27.43		1459.0							
	STO	00030	02.13	34.33	27.45	00.024	1458.4							
	OBS	00030	02.08	34.34	27.46		1458.2							
	OBS	00045	01.85	34.40	27.52		1457.5							
	STO	00050	01.86	34.42	27.54	00.036	1457.7							
	OBS	00051	01.86	34.43	27.55		1457.7							
	STO	00075	02.04	34.52	27.60	00.049	1459.0							
	OBS	00076	02.05	34.52	27.61		1455.1							
	STO	00100	02.15	34.57	27.64	00.062	1460.0							
	OBS	00100	02.16	34.57	27.64		1460.0							
	STO	00125	02.38	34.62	27.66	00.073	1461.5							
	OBS	00127	02.41	34.63	27.66		1461.7							
	STO	00150	02.69	34.69	27.69	00.084	1463.3							
	OBS	00152	02.72	34.70	27.69		1463.5							
	OBS	00175	03.11	34.76	27.71		1465.6							
	STO	00200	03.27	34.79	27.71	00.105	1466.8							
	OBS	00203	03.29	34.79	27.71		1466.9							
	OBS	00226	03.42	34.82	27.72		1467.9							
	STO	00250	03.48	34.83	27.73	00.125	1468.5							
	OBS	00251	03.48	34.83	27.73		1468.6							
	OBS	00277	03.48	34.84	27.73		1469.0							
	STO	00300	03.50	34.85	27.74	00.145	1469.5							
	OBS	00300	03.50	34.85	27.74		1469.5							
	OBS	00350	03.52	34.86	27.75		1470.4							
	STO	00400	03.48	34.87	27.76	00.184	1471.1							
	OBS	00401	03.48	34.87	27.76		1471.1							
	OBS	00451	03.45	34.87	27.76		1471.8							
	STO	00500	03.42	34.87	27.76	00.222	1472.5							
	OBS	00500	03.42	34.87	27.76		1472.5							
	OBS	00550	03.41	34.87	27.76		1473.3							
	STO	00600	03.39	34.87	27.77	00.261	1474.0							
	OBS	00601	03.39	34.87	27.77		1474.0							
	OBS	00651	03.36	34.87	27.77		1474.7							
	STO	00700	03.39	34.88	27.77	00.300	1475.7							
	OBS	00700	03.39	34.88	27.77		1475.7							
	OBS	00750	03.41	34.88	27.77		1476.6							
	STO	00800	03.41	34.88	27.77	00.340	1477.4							
	OBS	00801	03.41	34.88	27.77		1477.5							
	OBS	00850	03.42	34.88	27.77		1478.3							
	STO	00900	03.45	34.89	27.78	00.380	1479.3							
	OBS	00900	03.45	34.89	27.78		1479.3							
	OBS	00953	03.46	34.90	27.78		1480.2							
	STO	01000	03.46	34.90	27.78	00.421	1481.0							
	OBS	01001	03.46	34.90	27.78		1481.0							
	STO	01100	03.45	34.90	27.78	00.462	1482.7							
	OBS	01100	03.45	34.90	27.78		1482.7							
	STO	01200	03.42	34.90	27.79	00.504	1484.2							
	OBS	01201	03.42	34.90	27.79		1484.2							
	STO	01300	03.46	34.92	27.80	00.546	1486.1							
	OBS	01302	03.46	34.92	27.80		1486.1							
	STO	01400	03.45	34.92	27.80	00.588	1487.7							
	OBS	01402	03.45	34.92	27.80		1487.8							
	STO	01500	03.46	34.93	27.81	00.630	1489.5							
	OBS	01500	03.46	34.93	27.81		1489.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTDP 02492	AIR TEMP 06.4	DIR PGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1407
CONSEC 0171	MONTH 06	SHIP EV	WET BULB 05.8	27 1 2	WIND-SPD 12	TRACE DIR C	S SQUARE 3
LAT 55 06.7N	DAY 30	DATA USE 1	BARCMETR 1023.7	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 42
LONG 053 09.5W	HOUR 14.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 950 27	1 SQUARE 53

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.61	34.04	27.16	00.000	1455.6							
14.1	OBS	00001	02.61	34.04	27.16		1455.6							
	OBS	00003	02.60	34.02	27.16		1455.6							
	OBS	00007	02.70	34.14	27.25		1460.3							
	STD	00010	03.12	34.22	27.27	00.009	1462.2							
	OBS	00011	03.31	34.25	27.28		1463.1							
	STD	00020	03.38	34.23	27.26	00.017	1463.5							
	OBS	00020	03.39	34.23	27.26		1463.6							
	STD	00030	02.53	34.25	27.35	00.025	1460.1							
	OBS	00030	02.46	34.26	27.36		1459.8							
	OBS	00032	02.16	34.29	27.41		1458.5							
	STD	00050	01.84	34.38	27.51	00.038	1457.5							
	OBS	00051	01.83	34.39	27.52		1457.5							
	STD	00075	01.95	34.46	27.56	00.052	1458.6							
	OBS	00076	01.96	34.46	27.56		1458.6							
	STD	00100	02.09	34.53	27.61	00.065	1459.6							
	OBS	00100	02.09	34.53	27.61		1459.7							
	STD	00125	02.23	34.56	27.62	00.077	1460.7							
	OBS	00125	02.23	34.56	27.62		1460.7							
	STD	00150	02.36	34.58	27.63	00.089	1461.7							
	OBS	00150	02.36	34.58	27.63		1461.7							
	OBS	00175	02.47	34.60	27.63		1462.7							
	STD	00200	02.68	34.65	27.66	00.112	1464.1							
	OBS	00201	02.71	34.66	27.66		1464.2							
	OBS	00222	03.19	34.75	27.69		1466.8							
	OBS	00226	03.22	34.75	27.69		1466.9							
	STD	00250	03.39	34.79	27.70	00.134	1468.1							
	OBS	00251	03.40	34.79	22.70		1468.2							
	OBS	00279	03.52	34.81	27.71		1469.2							
	STD	00300	03.54	34.81	27.70	00.156	1469.6							
	OBS	00300	03.54	34.81	27.70		1469.6							
	OBS	00350	03.55	34.82	27.71		1470.5							
	STD	00400	03.57	34.84	27.72	00.198	1471.4							
	OBS	00401	03.57	34.84	27.72		1471.5							
	OBS	00451	03.59	34.85	27.73		1472.4							
	STD	00500	03.57	34.86	22.74	00.239	1473.1							
	OBS	00502	03.57	34.86	27.74		1473.1							
	OBS	00552	03.57	34.87	27.75		1474.0							
	STD	00600	03.54	34.88	27.76	00.279	1474.7							
	OBS	00601	03.54	34.88	27.76		1474.7							
	OBS	00651	03.54	34.88	27.76		1475.5							
	STD	00700	03.54	34.88	27.76	00.320	1476.3							
	OBS	00700	03.54	34.88	27.76		1476.3							
	OBS	00750	03.54	34.89	27.77		1477.2							
	STD	00800	03.52	34.88	27.76	00.361	1477.9							
	OBS	00801	03.52	34.88	27.76		1477.9							
	OBS	00850	03.51	34.85	27.77		1478.7							
	STD	00900	03.47	34.90	27.78	00.402	1479.4							
	OBS	00900	03.47	34.90	27.78		1479.4							
	OBS	00951	03.46	34.90	27.78		1480.2							
	STD	01000	03.45	34.89	27.78	00.442	1481.0							
	OBS	01001	03.45	34.89	27.78		1481.0							
	STD	01100	03.45	34.90	27.78	00.484	1482.6							
	OBS	01100	03.45	34.90	27.78		1482.7							
	STD	01200	03.42	34.90	27.79	00.526	1484.2							
	OBS	01201	03.42	34.90	27.79		1484.2							
	STD	01300	03.36	34.89	27.78	00.568	1485.6							
	OBS	01300	03.36	34.89	27.78		1485.6							
	STD	01400	03.36	34.89	27.78	00.611	1487.3							
	OBS	01401	03.36	34.89	27.78		1487.3							
	STD	01500	03.41	34.91	27.80	00.655	1489.2							
	OBS	01500	03.41	34.91	27.80		1489.2							
	OBS	01515	03.41	34.92	27.80		1489.5							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 0166T	AIR TEMP 07.3	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN 50 140T
CONSEC 0172	MONTH 06	SHIP EV	WET BULB 05.1	28 0 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 1
LAT 54 38.8N	DAY 30	DATA USE 1	BARCMETR 1024.1	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 42
LONG 353 24.8W	HOUR 17.7	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG 011 951 05	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.07	33.72	26.88	00.000	1461.2							
17.7	OBS	00005	03.07	33.72	26.88		1461.3							
	STD	00010	03.07	33.71	26.87	00.012	1461.3							
	OBS	00011	03.00	33.71	26.88		1461.0							
	OBS	00013	02.86	33.86	26.85 •		1460.4							
	OBS	00019	01.46	33.69	26.98		1454.4							
	STD	00020	01.33	33.71	27.01	00.023	1453.8							
	OBS	00020	01.21	33.74	27.04		1453.4							
	OBS	00022	00.97	33.82	27.12		1452.4							
	STD	00030	00.71	33.83	27.15	00.033	1451.4							
	OBS	00030	00.68	33.84	27.15		1451.3							
	OBS	00034	00.43	33.90	27.22		1450.3							
	OBS	00036	00.42	33.92	27.23		1450.3							
	STD	00050	00.67	34.00	27.28	00.050	1451.8							
	OBS	00051	00.70	34.01	27.29		1452.0							
	STD	00075	01.30	34.24	27.44	00.068	1455.4							
	OBS	00076	01.32	34.25	27.44		1455.5							
	STD	00100	01.50	34.35	27.51	00.084	1456.8							
	OBS	00100	01.51	34.35	27.51		1456.9							
	STD	00125	01.45	34.42	27.55	00.098	1458.0							
	OBS	00125	01.68	34.42	27.55		1458.0							
	STD	00150	02.09	34.52	27.60	00.111	1460.5							
	OBS	00150	02.09	34.52	27.60		1460.5							
	OBS	00175	02.22	34.57	27.63		1461.5							
	OBS	00198	02.77	34.86	27.88		1464.4							
	STD	00200	02.83	34.88	27.67	00.135	1464.7							
	OBS	00201	02.86	34.89	27.67		1464.9							
	OBS	00226	03.31	34.78	27.69		1467.3							
	STD	00250	03.36	34.78	27.70	00.157	1467.9							
	OBS	00251	03.36	34.78	27.70		1468.0							
	OBS	00276	03.50	34.81	27.71		1469.0							
	STD	00300	03.54	34.82	27.71	00.178	1469.6							
	OBS	00300	03.54	34.82	27.71		1469.6							
	OBS	00350	03.57	34.83	27.72		1470.6							
	STD	00400	03.61	34.85	27.73	00.220	1471.6							
	OBS	00401	03.61	34.85	27.73		1471.6							
	OBS	00451	03.61	34.86	27.74		1472.5							
	STD	00500	03.59	34.86	27.74	00.261	1473.2							
	OBS	00500	03.59	34.86	27.74		1473.2							
	OBS	00550	03.57	34.86	27.74		1473.9							
	STD	00600	03.52	34.87	27.75	00.302	1474.6							
	OBS	00601	03.52	34.87	27.75		1474.6							
	OBS	00651	03.50	34.87	27.76		1475.3							
	STD	00700	03.50	34.87	27.76	00.342	1476.1							
	OBS	00700	03.50	34.87	27.76		1476.2							
	OBS	00750	03.48	34.87	27.76		1476.9							
	STD	00800	03.48	34.87	27.76	00.384	1477.7							
	OBS	00801	03.48	34.87	27.76		1477.7							
	OBS	00850	03.46	34.87	27.76		1478.5							
	STD	00900	03.46	34.87	27.76	00.426	1479.3							
	OBS	00900	03.46	34.87	27.76		1479.3							
	OBS	00953	03.46	34.87	27.76		1480.2							
	STD	01000	03.45	34.87	27.76	00.466	1480.9							
	OBS	01003	03.45	34.87	27.76		1481.0							
	STD	01100	03.49	34.88	27.76	00.512	1482.8							
	OBS	01100	03.49	34.88	27.76		1482.8							
	OBS	01170	03.48	34.89	27.77		1483.9							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00470	AIR TEMP 06.5	DIR HGT PER	WIND-DIR 26	INST STO RECORDER	TEN SO 1407
CONSEC 0173	MONTH 06	SHIP EV	WET BULB 05.5	27 1 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 1
LAT 54 50.4N	DAY 30	DATA USE 1	BAROMETR 1024.8	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 42
LONG 053 35.9W	HOUR 20.4	AREA 05	CLCUD 7/A	CL/TR	WEATHER A2	ORIG 011 952 12	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	03.16	33.13	26.40	00.000	1460.8							
20.4	OBS	00001	03.16	33.13	26.40		1460.8							
	STO	00010	02.98	33.15	26.43	00.016	1460.2							
	OBS	00011	02.95	33.15	26.44		1460.1							
	OBS	00015	01.75	32.99	26.40 •		1454.7							
	STO	00020	01.63	33.05	26.46	00.032	1454.3							
	OBS	00020	01.09	33.06	26.50		1451.9							
	OBS	00022	- 0.60	32.94	26.49		1444.0							
	OBS	00024	- 1.05	33.26	26.77		1442.4							
	STO	00030	- 0.98	33.35	26.84	00.046	1443.0							
	OBS	00030	- 0.97	33.36	26.84		1443.0							
	OBS	00036	- 1.17	33.43	26.91		1442.3							
	STO	00050	- 1.09	33.57	27.02	00.069	1443.1							
	OBS	00051	- 1.07	33.59	27.03		1443.2							
	STO	00075	- 0.35	33.85	27.21	00.093	1447.3							
	OBS	00076	- 0.30	33.87	27.23		1447.6							
	OBS	00081	00.01	34.02	27.34		1449.3							
	OBS	00085	00.99	34.05	27.30 •		1453.5							
	OBS	00089	00.60	34.02	27.30		1452.1							
	STO	00100	00.55	34.09	27.36	00.112	1452.2							
	OBS	00100	00.55	34.09	27.36		1452.2							
	STO	00125	00.78	34.16	27.40	00.130	1453.8							
	OBS	00125	00.79	34.16	27.41		1453.8							
	STO	00150	01.08	34.26	27.47	00.147	1455.7							
	OBS	00150	01.09	34.26	27.47		1455.7							
	OBS	00175	01.53	34.38	27.53		1458.2							
	STO	00200	01.63	34.43	27.57	00.176	1459.2							
	OBS	00201	01.65	34.44	27.57		1459.3							
	OBS	00228	02.00	34.55	27.63		1461.4							
	STO	00250	02.37	34.63	27.66	00.200	1463.5							
	OBS	00251	02.39	34.63	27.67		1463.6							
	OBS	00276	02.73	34.66	27.66		1465.5							
	STO	00300	02.99	34.72	27.68	00.223	1467.1							
	OBS	00300	03.00	34.72	27.68		1467.2							
	OBS	00350	03.34	34.77	27.69		1469.5							
	STO	00400	03.39	34.79	27.70	00.266	1470.6							
	OBS	00401	03.39	34.79	27.70		1470.6							
	OBS	00451	03.54	34.83	27.72		1472.1							
	OBS	00460	03.55	34.83	27.72		1472.3							

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REFID 31 8463	YEAR 1975	BOTOP 00270	AIR TEMP 08.9	DIR HGT PER	WIND-DIR 24	INST STO RECORDER	TEN SO 1407
CONSEC 0174	MONTH 06	SHIP EV	WET BULB 06.0	00 A X	WIND-SPD 14	TRACE DIR 0	5 SQUARE 1
LAT 54 42.0N	DAY 30	DATA USE 1	BAROMETR 1024.9	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 42
LONG 053 53.0W	HOUR 22.1	AREA 05	CLCUD 7/A	CL/TR	WEATHER A1	ORIG 011 553 08	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.55	32.54	26.06	00.000	1452.9							
22.1	OBS	00003	01.55	32.54	26.06		1453.0							
	OBS	00005	01.62	32.52	26.04		1453.3							
	OBS	00007	01.27	32.50	26.04		1451.7							
	STO	00010	01.12	32.50	26.05	00.020	1451.1							
	OBS	00011	01.01	32.50	26.06		1450.6							
	STO	00020	- 0.06	32.68	26.26	00.038	1446.1							
	OBS	00020	- 0.13	32.69	26.27		1445.8							
	OBS	00022	- 0.25	32.70	26.28		1445.3							
	OBS	00024	- 0.64	32.80	26.38		1443.7							
	STO	00030	- 1.08	33.00	26.56	00.055	1442.0							
	OBS	00030	- 1.11	33.02	26.57		1441.9							
	OBS	00041	- 1.45	33.22	26.75		1440.8							
	STO	00050	- 1.43	33.27	26.79	00.092	1441.1							
	OBS	00051	- 1.42	33.28	26.79		1441.1							
	STO	00075	- 1.29	33.44	26.92	00.112	1442.4							
	OBS	00076	- 1.28	33.45	26.93		1442.5							
	STO	00100	- 1.20	33.57	27.03	00.139	1443.4							
	OBS	00100	- 1.19	33.58	27.03		1443.5							
	STO	00125	- 0.85	33.73	27.14	00.164	1445.7							
	OBS	00125	- 0.84	33.73	27.14		1445.7							
	STO	00150	- 0.37	33.86	27.22	00.186	1448.5							
	OBS	00150	- 0.36	33.86	27.22		1448.5							
	OBS	00175	- 0.11	33.91	27.25		1450.2							
	STO	00200	00.26	34.04	27.34	00.226	1452.4							
	OBS	00201	00.28	34.05	27.35		1452.6							
	OBS	00226	00.55	34.12	27.39		1454.3							
	OBS	00237	00.86	34.24	27.47		1456.1							
	OBS	00241	01.12	34.27	27.47		1457.3							
	STO	00250	01.22	34.28	27.47	00.260	1457.9							
	OBS	00251	01.23	34.28	27.47		1458.0							
	OBS	00257	01.27	34.29	27.48		1458.3							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFID 31 8463	YEAR 1975	BOTOP 00230	AIR TEMP 04.3	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SO 1407
CONSEC 0179	MONTH 06	SHIP EV	WET BULB 03.4	25 0 2	WIND-SPD 10	TRACE DIA 0	5 SQUARE 1
LAT 54 33.0N	DAY 30	DATA USE 1	BARCMETR 1025.3	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 44
LONG 054 10.0W	HOUR 23.4	AREA 05	CLOUD 7/4	CL/TR	WEATHER AO	ORIG 011 954	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEPP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.90	32.34	25.87	C0.000	1454.2							
23.4	OBS	00005	01.90	32.34	25.87		1454.3							
	STD	00010	01.93	32.34	25.87	00.021	1454.3							
	OBS	00011	01.94	32.38	25.89		1454.6							
	OBS	00013	01.87	32.40	25.92		1454.3							
	OBS	00017	00.93	32.48	26.05		1450.3							
	STD	00020	00.95	32.49	26.06	00.042	1450.5							
	OBS	C0020	00.96	32.51	26.07		1450.6							
	OBS	00022	00.90	32.56	26.11		1450.4							
	OBS	00026	- 0.01	32.52	26.13		1446.2							
	OBS	00028	- 0.71	32.73	26.33		1443.3							
	STD	00030	- 0.94	32.84	26.43	00.060	1442.4							
	OBS	00030	- C.99	32.88	26.48		1442.3							
	OBS	00034	- 0.83	33.09	26.62		1443.4							
	OBS	00036	- 0.85	33.11	26.64		1443.3							
	STD	00050	- 1.22	33.32	26.82	00.088	1442.1							
	OBS	00051	- 1.23	33.33	26.83		1442.1							
	OBS	00053	- 1.24	33.34	26.84		1442.1							
	STD	00075	- 1.15	33.55	27.01	00.117	1443.2							
	OBS	00076	- 1.14	33.56	27.01		1443.3							
	OBS	00095	- 1.03	33.61	27.05		1444.2							
	OBS	00099	- 0.65	33.68	27.09		1446.1							
	STD	00100	- 0.68	33.67	27.08	00.142	1446.0							
	OBS	00100	- 0.70	33.66	27.08		1445.9							
	STD	00125	- 0.38	33.80	27.17	C0.186	1448.0							
	OBS	00125	- 0.37	33.80	27.18		1448.0							
	STD	00150	- 0.16	33.92	27.26	00.187	1449.6							
	OBS	C0150	- 0.15	33.92	27.26		1449.6							
	OBS	00175	00.27	34.04	27.34		1452.1							
	STD	00200	00.64	34.14	27.40	00.225	1454.3							
	OBS	00201	00.66	34.15	27.41		1454.4							
	OBS	00220	00.80	34.19	27.43		1455.5							

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REFID 31 8463	YEAR 1975	BOTOP 00201	AIR TEMP 04.6	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SO 1407
CONSEC 0176	MONTH 07	SHIP EV	WET BULB 04.1	02 0 2	WIND-SPD 10	TRACE DIA 0	5 SQUARE 1
LAT 54 27.0N	DAY 01	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATICN 00.1	2 SQUARE 44
LONG 054 25.0W	HOUR 02.1	AREA 05	CLCUD 7/4	CL/TR	WEATHER XO	ORIG 011 955	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYC	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.18	31.65	25.30	0C.00C	1454.4							
02.1	OBS	00001	02.16	31.65	25.30		1454.4							
	OBS	00005	02.13	31.63	25.29		1454.3							
	STD	00010	02.04	31.63	25.30	00.027	1454.0							
	OBS	00011	02.01	31.63	25.30		1453.9							
	OBS	00013	00.58	31.77	25.50		1447.7							
	OBS	00015	- 0.02	32.05	25.75		1445.4							
	OBS	00017	- 0.36	32.44	26.08		1444.4							
	OBS	00019	- 0.44	32.59	26.20		1444.2							
	STD	00020	- 0.63	32.61	26.23	00.045	1443.4							
	OBS	00020	- 0.80	32.63	26.25		1442.6							
	OBS	00024	- 1.39	32.75	26.36		1440.1							
	STD	00030	- 1.59	32.87	26.47	00.066	1439.4							
	OBS	00030	- 1.60	32.88	26.47		1439.4							
	OBS	00036	- 1.59	32.95	26.53		1439.6							
	OBS	00047	- 1.37	33.06	26.61		1441.0							
	STD	00050	- 1.04	33.11	26.65	00.096	1442.7							
	OBS	00051	- 0.93	33.14	26.67		1443.2							
	OBS	00059	- 1.41	33.20	26.73		1441.2							
	STD	00075	- 1.27	33.33	26.83	00.129	1442.3							
	OBS	00076	- 1.26	33.34	26.84		1442.4							
	STD	00100	- 1.20	33.47	26.94	00.158	1443.3							
	OBS	00100	- 1.19	33.47	26.94		1443.3							
	STD	00125	- 0.99	33.61	27.04	00.185	1444.9							
	OBS	00125	- 0.98	33.61	27.05		1444.9							
	STD	00150	- 0.73	33.73	27.13	0C.209	1446.8							
	OBS	00152	- 0.70	23.74	27.14		1446.8							
	OBS	00177	- 0.26	33.87	27.23		1449.5							
	OBS	00198	- 0.21	33.88	27.23		1450.0							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463	YEAR 1975	BOTOP 00176	AIR TEMP 04.0	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1407
CONSEC 0177	MONTH 07	SHIP EV	WET BULB 03.5	00 X X	WIND-SPD 05	TRACE DIR C	5 SQUARE 1
LAT 54 19.3N	DAY 01	DATA USE 1	BARONETR 1002.3	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 44
LONG 054 41.5W	HOUR 03.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 956	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.17	31.42	25.12	00.000	1454.1							
03.8	OBS	00001	02.17	31.42	25.12		1454.1							
	OBS	00005	02.16	31.45	25.14		1454.2							
	STD	00010	01.85	31.74	25.40	00.027	1453.3							
	OBS	00011	01.76	31.81	25.46		1453.0							
	STD	00020	01.69	31.86	25.51	00.053	1452.9							
	OBS	00020	01.23	31.87	25.54		1450.9							
	OBS	00022	- 0.01	32.15	25.83		1445.7							
	OBS	00026	- 0.55	32.57	26.19		1443.8							
	STD	00030	- 0.58	32.82	26.40	00.073	1444.1							
	OBS	00030	- 0.58	32.86	26.43		1444.1							
	OBS	00032	- 0.81	33.01	26.56		1443.3							
	OBS	00034	- 0.75	32.59	26.54		1443.6							
	OBS	00036	- 1.06	53.02	26.57		1442.2							
	STD	00050	- 1.30	33.19	26.72	00.103	1441.6							
	OBS	00051	- 1.32	33.20	26.73		1441.5							
	OBS	00053	- 1.35	33.21	26.74		1441.4							
	STD	00075	- 1.27	33.37	26.86	00.134	1442.4							
	OBS	00076	- 1.26	33.38	26.87		1442.4							
	STD	00100	- 1.09	53.55	27.01	00.162	1443.9							
	OBS	00100	- 1.06	33.56	27.01		1444.0							
	STD	00125	- 0.81	33.72	27.13	00.187	1445.8							
	OBS	00125	- 0.80	33.72	27.13		1445.9							
	STD	00150	- 0.31	33.86	27.22	00.210	1448.8							
	OBS	00150	- 0.30	33.86	27.22		1448.8							

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REFID 31 8463	YEAR 1575	BOTOP 00161	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1407
CONSEC 0178	MONTH 07	SHIP EV	WET BULB 04.0	00 X X	WIND-SPD 09	TRACE DIR O	5 SQUARE 1
LAT 54 11.0N	DAY 01	DATA USE 1	BARONETR 1022.0	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 44
LONG 054 55.7W	HOUR 05.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 957	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.17	31.23	24.97	00.000	1453.9							
05.6	OBS	00001	02.17	31.23	24.97		1453.9							
	OBS	00009	01.89	31.24	25.00		1452.6							
	STD	00010	01.76	31.21	24.98	00.030	1452.2							
	OBS	00011	01.43	31.19	24.99		1450.7							
	OBS	00013	01.04	31.27	25.07		1449.1							
	STD	00020	00.86	31.70	25.43	00.058	1449.0							
	OBS	00020	00.80	31.80	25.51		1448.8							
	OBS	00024	00.44	32.31	25.94		1448.0							
	OBS	00028	- 0.34	32.74	26.32		1445.1							
	STD	00030	- 0.25	32.89	26.44	00.078	1445.7							
	OBS	00030	- 0.21	32.92	26.46		1445.9							
	OBS	00032	- 0.03	32.85	26.43 ●		1446.8							
	OBS	00036	- 0.62	33.05	26.58		1444.3							
	OBS	00036	- 0.59	33.00	26.54 ●		1444.4							
	OBS	00040	- 0.65	33.04	26.58		1444.2							
	STD	00050	- 1.01	33.23	26.74	00.107	1443.0							
	OBS	00051	- 1.04	33.25	26.76		1442.5							
	OBS	00055	- 1.10	33.31	26.81		1442.8							
	STD	00075	- 0.95	53.52	26.97	00.137	1444.1							
	OBS	00076	- 0.94	33.53	26.98		1444.2							
	STD	00100	- 0.65	33.71	27.12	00.163	1446.2							
	OBS	00100	- 0.63	33.72	27.12		1446.3							
	STD	00125	00.07	33.57	27.30	00.185	1450.3							
	OBS	00125	00.09	33.98	27.30		1450.4							
	OBS	00139	00.52	34.11	27.38		1452.7							

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TABLE II. USCGC EVERGREEN, April and May-June, 1977.—Continued

NODC STATION DATA

REFID 31 8463 YEAR 1975 BOTDP 00141 AIR TEMP 05.0 DIR HGT PER WIND-DIR 21 INST STO RECORDER TEN SO 140T
CONSEC 0179 MONTH 07 SHIP EV WET BULB 04.0 00 X X WIND-SPD 11 TRACE DIR 0 S SQUARE 2
LAT 54 02.6N DAY 01 DATA USE 1 BAROMETR 1021.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 44
LONG 055 10.0e HOUR 06.9 AREA 05 CLOUD T/A CL/TR WEATHER XO ORIG 011 956 1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.80	31.25	24.94	00.000	1456.7							
06.9	08S	00001	02.80	31.25	24.94		1456.7							
	08S	00005	02.80	31.22	24.91 •		1456.7							
	08S	00007	02.53	31.20	24.92		1455.5							
	STO	00010	02.45	31.21	24.63	00.030	1455.2							
	08S	00011	02.34	31.21	24.94		1454.8							
	08S	00013	02.12	31.26	25.00		1453.9							
	STO	00020	01.29	31.64	25.35	00.059	1450.8							
	08S	00020	01.10	31.79	25.49		1450.2							
	08S	00022	00.63	32.16	25.82		1448.6							
	08S	00024	- 0.13	32.54	26.15		1445.7							
	08S	00026	- 0.66	32.68	26.28		1443.5							
	STO	00050	- 0.93	32.79	26.38	00.080	1442.4							
	08S	00030	- 0.97	32.80	26.39		1442.2							
	STO	00050	- 1.30	33.16	26.69	00.110	1441.5							
	08S	00051	- 1.31	33.16	26.71		1441.5							
	STO	00075	- 1.08	33.45	26.92	00.141	1443.4							
	08S	00076	- 1.07	33.46	26.93		1443.4							
	STO	00100	- 0.92	33.68	27.10	00.168	1444.9							
	08S	00100	- 0.90	33.69	27.11		1445.0							
	08S	00123	- 0.21	33.88	27.23		1448.8							

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REFID 31 8463 YEAR 1975 BOTDP 00179 AIR TEMP 07.5 DIR HGT PER WIND-DIR 20 INST STC RECORDER TEN SO 1407
CONSEC 0180 MONTH 07 SHIP EV WET BULB 04.5 00 R X WIND-SPD 11 TRACE DIR C S SQUARE 2
LAT 53 54.9N DAY 01 DATA USE 1 BAROMETR 1021.6 SEA WIND-FOR DURATION 00.1 2 SQUARE 24
LONG 055 25.5e HOUR 08.4 AREA 05 CLOUD T/A CL/TR WEATHER XO ORIG C11 956 11 1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	C0000	02.04	31.12	24.89	00.000	1453.1							
08.4	08S	00003	02.04	31.12	24.89		1453.2							
	STO	00010	00.73	31.48	25.26	00.029	1447.9							
	08S	00011	00.61	31.52	25.30		1447.4							
	08S	00013	00.55	31.54	25.31		1447.2							
	08S	00017	- 0.10	32.06	25.76		1445.0							
	08S	00019	- 0.76	32.44	26.09		1442.5							
	STO	00020	- 0.97	32.52	26.17	00.052	1441.7							
	08S	00020	- 1.12	32.59	26.23		1441.1							
	08S	00022	- 1.34	32.74	26.35		1440.3							
	08S	00024	- 1.32	32.78	26.39		1440.5							
	08S	00026	- 1.06	32.87	26.45		1441.9							
	08S	00028	- 0.55	32.89	26.45		1444.3							
	STO	00030	- 0.95	32.88	26.46	00.065	1442.4							
	08S	00032	- 1.42	32.86	26.45		1440.2							
	08S	00034	- 1.59	32.93	26.51		1439.6							
	08S	00038	- 1.41	32.96	26.53		1440.5							
	08S	00041	- 0.59	33.01	26.55		1444.5							
	08S	00043	- 0.86	33.12	26.65		1443.4							
	STO	00050	- 0.88	33.17	26.69	00.058	1443.5							
	08S	00051	- 0.89	33.18	26.70		1443.5							
	STO	00075	- 1.22	33.33	26.83	00.131	1442.5							
	08S	00076	- 1.23	33.34	26.84		1442.5							
	STO	00100	- 1.21	33.47	26.95	00.160	1443.2							
	08S	00100	- 1.21	33.48	26.95		1443.2							
	STO	0C125	- 0.98	33.63	27.06	00.186	1444.9							
	08S	00125	- 0.97	33.63	27.06		1445.0							
	STO	00150	- 0.77	33.75	27.15	00.210	1446.5							
	08S	00150	- 0.76	33.75	27.15		1446.5							
	08S	00169	- 0.30	33.86	27.22		1449.1							

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REFID 31 8463 YEAR 1975 BOTDP 00135 AIR TEMP 07.5 DIR HGT PER WIND-DIR 16 INST STO RECORDER TEN SO 1407
CONSEC 0181 MONTH 07 SHIP EV WET BULB 05.9 00 X X WIND-SPD 11 TRACE DIR 0 S SQUARE 2
LAT 53 45.5N DAY 01 DATA USE 1 BARCMETR 1021.5 SEA WIND-FOR DURATION 00.0 2 SQUARE 24
LONG 055 41.8e HOUR 10.0 AREA 05 CLOUD T/A CL/TR WEATHER XO ORIG 011 960 1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	01.76	30.76	24.64	00.000	1451.4							
10.0	08S	00003	01.76	30.78	24.64		1451.5							
	08S	00005	01.82	30.79	24.64		1451.5							
	STO	00010	01.61	30.81	24.66	00.033	1451.8							
	08S	00017	01.13	31.12	24.95		1449.3							
	08S	00019	00.79	31.41	25.20		1448.2							
	STO	00020	00.30	31.73	25.48	00.062	1446.5							
	08S	00020	- 0.12	31.98	25.70		1444.9							
	08S	00022	- 0.94	32.38	26.05		1441.7							
	STO	00030	- 1.28	32.68	26.31	00.083	1440.6							
	08S	00030	- 1.30	32.70	26.32		1440.5							
	08S	00040	- 1.57	32.86	26.46		1439.7							
	STO	00050	- 1.55	32.93	26.51	00.116	1440.0							
	08S	00051	- 1.55	32.94	26.52		1440.1							
	STO	00075	- 1.43	33.16	26.70	00.152	1441.3							
	08S	00076	- 1.43	33.17	26.71		1441.3							
	STO	00100	- 1.34	33.32	26.82	00.184	1442.4							
	08S	00100	- 1.34	33.32	26.82		1442.4							
	08S	00110	- 1.30	33.37	26.86		1442.6							

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Table III. USCGC CHASE, August-September, 1977.

N O D E   S T A T I O N   D A T A

RSFIC 31 8155	YEAR 1975	BOTDP 00142	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1306
CONSEC 0001	MONTH 08	SHIP E1	WET BULB 09.7	00 0 A	WIND-SPD 00	TRACE DIR 0	5 SQUARE 4
LAT 47 03.0N	DAY 30	DATA USE 1	BARCMETR 1019.0	SEA	WIND-FOR	DURATICN 00.0	2 SQUARE 66
LONG 048 03.0W	HOUR 04.9	AREA 05	CLOUD 7/A	CL/TR	WEATHER A4	ORIG A2 06101	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.84	31.59	24.34	00.000	1485.4							
04.9	OBS	00000	09.84	31.59	24.34		1485.4							
	STD	00010	09.81	31.64	24.39	00.034	1485.6							
	OBS	00010	09.81	31.64	24.39		1485.6							
	STD	00020	04.11	32.32	25.67	00.065	1464.0							
	OBS	00020	04.11	32.32	25.67		1464.0							
	STD	00030	00.16	32.50	26.11	00.086	1447.0							
	OBS	00030	00.16	32.50	26.11		1447.0							
	OBS	00035	- 0.65	32.75	26.34		1443.6							
	OBS	00040	- 0.92	32.83	26.41		1442.7							
	OBS	00046	- 0.58	32.88	26.46		1442.6							
	STD	00050	- 0.93	32.92	26.49	00.121	1442.5							
	OBS	00050	- 0.93	32.92	26.49		1442.5							
	OBS	00055	- 0.60	32.96	26.52		1443.7							
	STD	00075	- 1.46	33.03	26.55	00.159	1441.0							
	OBS	00075	- 1.46	33.03	26.59		1441.0							
	OBS	00077	- 1.52	33.09	26.64		1440.8							
	OBS	00085	- 1.35	33.12	26.66		1441.8							
	OBS	00095	- 1.28	33.20	26.73		1442.4							
	STD	00100	- 1.28	33.24	26.76	00.193	1442.5							
	OBS	00100	- 1.28	33.24	26.76		1442.5							
	OBS	00105	- 1.27	33.30	26.81		1442.8							
	OBS	00115	- 1.12	33.32	26.82		1443.7							
	OBS	00122	- 1.02	33.35	26.87		1444.3							

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PEFIC 31 8155	YEAR 1975	BOTDP 00174	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1306
CONSEC 0002	MONTH 08	SHIP E1	WET BULB 09.7	00 0 X	WIND-SPD 06	TRACE DIR 0	5 SQUARE 4
LAT 47 01.0N	DAY 30	DATA USE 1	BARCMETR 1015.9	SEA	WIND-FOR	DURATICN 00.1	2 SQUARE 66
LONG 047 42.5W	HOUR 06.6	AREA 05	CLCUD 7/A	CL/TR	WEATHER A4	ORIG A2 06102	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.84	31.62	24.37	00.000	1485.5							
06.6	OBS	00000	09.84	31.62	24.37		1485.5							
	STD	00010	08.04	31.65	24.70	00.034	1476.9							
	OBS	00010	08.04	31.69	24.70		1476.9							
	STD	00020	00.75	32.44	26.03	00.060	1445.5							
	OBS	00020	00.75	32.44	26.03		1445.5							
	OBS	00027	- 1.17	32.65	26.28		1441.0							
	STD	00030	- 1.20	32.69	26.31	00.079	1441.0							
	OBS	00030	- 1.20	32.69	26.31		1441.0							
	OBS	00035	- 1.21	32.72	26.33		1441.1							
	OBS	00040	- 1.27	32.74	26.35		1440.9							
	STD	00050	- 1.27	32.87	26.46	00.112	1441.2							
	OBS	00050	- 1.27	32.87	26.46		1441.2							
	OBS	00060	- 1.29	32.94	26.52		1441.4							
	OBS	00065	- 1.33	32.58	26.55		1441.4							
	OBS	00072	- 1.33	33.03	26.59		1441.6							
	STD	00075	- 1.24	33.03	26.59	00.150	1442.0							
	OBS	00075	- 1.24	33.03	26.59		1442.0							
	OBS	00088	- 1.25	33.12	26.66		1442.3							
	OBS	00095	- 1.30	33.17	26.70		1442.3							
	STD	00100	- 1.26	33.24	26.76	00.184	1442.6							
	OBS	00100	- 1.26	33.24	26.76		1442.6							
	OBS	00115	- 1.25	33.37	26.86		1443.1							
	STD	00125	- 1.11	33.48	26.95	00.214	1444.1							
	OBS	00125	- 1.11	33.48	26.95		1444.1							
	STD	00150	- 0.45	33.77	27.16	00.239	1447.8							
	OBS	00150	- 0.49	33.77	27.16		1447.8							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFID 31 8155	YEAR 1975	BOTOP 00203	AIR TEMP 07.8	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SG 1306
CONSEC 0003	MONTH 08	SHIP E1	WET BULB 07.5	23 2 5	WIND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 47 01.0N	DAY 30	DATA USE 1	BAROMETR 1019.6	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 30.0W	HOUR 08.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 06103	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.59	31.56	24.51	00.000	1480.7							
08.0	OBS	00000	08.59	31.56	24.51		1480.7							
	STD	00010	06.10	31.82	25.05	00.032	1471.4							
	OBS	00010	06.10	31.82	25.05		1471.4							
	STD	00020	- 0.75	32.54	26.17	00.056	1442.7							
	OBS	00020	- 0.75	32.54	26.17		1442.7							
	OBS	00024	- 0.60	32.57	26.19		1443.5							
	STD	00030	- 1.18	32.71	26.33	00.073	1441.1							
	OBS	00030	- 1.18	32.71	26.33		1441.1							
	OBS	00031	- 1.25	32.74	26.35		1440.8							
	OBS	00043	- 1.37	32.85	26.44		1440.6							
	STD	00050	- 1.24	32.92	26.50	00.106	1441.5							
	OBS	00050	- 1.24	32.92	26.50		1441.5							
	OBS	00052	- 1.31	32.98	26.55		1441.2							
	OBS	00055	- 1.28	32.99	26.56		1441.5							
	OBS	00060	- 1.35	33.06	26.61		1441.3							
	STD	00075	- 1.32	33.17	26.70	00.142	1441.8							
	OBS	00075	- 1.32	33.17	26.70		1441.8							
	OBS	00079	- 1.36	33.23	26.75		1441.8							
	STD	00100	- 1.06	33.47	26.94	00.173	1443.9							
	OBS	00100	- 1.06	33.47	26.94		1443.9							
	STD	00125	- 0.49	33.71	27.11	00.199	1447.3							
	OBS	00125	- 0.49	33.71	27.11		1447.3							
	STD	00150	- 0.20	33.79	27.16	00.222	1449.2							
	OBS	00150	- 0.20	33.79	27.16		1449.2							
	OBS	00158	- 0.13	33.92	27.26		1449.8							
	OBS	00180	00.87	34.06	27.32		1454.9							

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REFID 31 8155	YEAR 1975	BOTOP 00495	AIR TEMP 09.1	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 0004	MONTH 08	SHIP E1	WET BULB 08.3	18 2 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 30	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 13.5W	HOUR 09.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG A2 06104	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.59	32.41	24.85	00.000	1489.2							
09.6	OBS	00000	10.59	32.41	24.85		1489.2							
	OBS	00007	10.59	32.41	24.85		1489.3							
	STD	00010	10.45	32.41	24.88	00.031	1488.9							
	OBS	00010	10.45	32.41	24.88		1488.9							
	OBS	00016	10.19	32.41	24.92		1488.0							
	STD	00020	10.24	33.76	25.96	00.057	1490.0							
	OBS	00020	10.24	33.76	25.96		1490.0							
	STD	00030	04.83	33.86	26.81	00.073	1469.3							
	OBS	00030	04.83											
	STD	00050	00.74	34.06	27.33	00.093	1452.2							
	OBS	00050	00.74	34.06	27.33		1452.2							
	OBS	00056	00.81	34.12	27.37		1452.7							
	OBS	00063	01.72	34.26	27.42		1457.1							
	OBS	00071	01.19	34.20	27.41		1454.7							
	STD	00075	01.37	34.34	27.51	00.110	1455.8							
	OBS	00075	01.37	34.34	27.51		1455.8							
	OBS	00080	01.56	34.35	27.51		1456.7							
	OBS	00090	01.55	34.40	27.55		1456.9							
	STD	00100	01.70	34.43	27.56	00.124	1457.8							
	OBS	00100	01.70	34.43	27.56		1457.8							
	OBS	00110	01.82	34.44	27.56		1458.5							
	OBS	00120	01.82	34.44	27.56		1458.7							
	STD	00125	01.65	34.43	27.56	00.137	1458.0							
	OBS	00125	01.65	34.43	27.56		1458.0							
	STD	00150	01.94	34.50	27.60	00.151	1459.8							
	OBS	00150	01.94	34.50	27.60		1459.8							
	OBS	00157	02.06	34.53	27.61		1460.5							
	OBS	00176	02.08	34.55	27.63		1460.9							
	STD	00200	02.28	34.60	27.65	00.175	1462.2							
	OBS	00200	02.28	34.60	27.65		1462.2							
	OBS	00240	02.63	34.67	27.68		1464.5							
	STD	00250	02.69	34.68	27.68	00.197	1465.0							
	OBS	00256	02.73	34.69	27.68		1465.2							
	OBS	00290	02.97	34.72	27.69		1466.9							
	STD	00300	02.97	34.73	27.69	00.219	1467.1							
	OBS	00300	02.97	34.73	27.69		1467.1							
	OBS	00335	02.97	34.72	27.69		1467.6							
	OBS	00345	02.92	34.73	27.70		1467.6							
	OBS	00380	02.92	34.74	27.71		1468.2							
	OBS	00390	02.96	34.74	27.70		1468.5							
	STD	00400	02.96	34.74	27.70	00.262	1466.7							
	OBS	00400	02.96	34.74	27.70		1468.7							
	OBS	00450	02.96	34.74	27.70		1469.5							

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TABLE III. USCGC CHASE, August-September, 1977.--Continued

NODC STATION DATA

REFID 31 A155	YEAR 1975	BOTOP 01103	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 34	INST STO RECORDER	TEN SQ 1306
CONSEC 0005	MONTH 08	SHIP E1	WET BULB 09.4	00 0 X	WIND-SPO 04	TRACE DIR 0	5 SQUARE 4
LAT 47 00.0N	DAY 30	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 66
LONG 047 00.0W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A2 06105	1 SQUARE 77

EASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.93	32.67	25.00	00.000	1490.8							
11.6	OBS	00000	10.93	32.67	25.00		1490.8							
	STD	00010	11.84	33.73	25.65	00.027	1495.5							
	OBS	00010	11.84	33.73	25.65		1495.5							
	STD	00020	11.03	34.15	26.13	00.048	1493.3							
	OBS	00020	11.03	34.15	26.13		1493.3							
	STD	00030	05.65	34.43	27.17	00.062	1473.4							
	OBS	00030	05.65	34.43	27.17		1473.4							
	OBS	00040	04.08	34.57	27.46		1467.3							
	STD	00050	03.63	34.59	27.52	00.077	1465.6							
	OBS	00050	03.63	34.59	27.52		1465.6							
	STD	00075	03.06	34.66	27.63	00.090	1463.6							
	OBS	00075	03.06	34.66	27.63		1463.6							
	OBS	00090	02.84	34.69	27.67		1463.0							
	STD	00100	02.95	34.70	27.67	00.101	1463.6							
	OBS	00100	02.95	34.70	27.67		1463.6							
	STD	00125	02.96	34.73	27.70	00.112	1464.1							
	OBS	00125	02.96	34.73	27.70		1464.1							
	STD	00150	02.94	34.74	27.71	00.122	1464.5							
	OBS	00156	02.93	34.75	27.71		1464.5							
	OBS	00170	02.96	34.77	27.73		1464.9							
	STD	00200	02.96	34.78	27.73	00.142	1465.4							
	OBS	00200	02.96	34.78	27.73		1465.4							
	STD	00250	03.03	34.78	27.73	00.162	1466.5							
	OBS	00290	03.08	34.81	27.75		1467.5							
	STD	00300	03.14	34.82	27.75	00.181	1467.9							
	OBS	00300	03.14	34.82	27.75		1467.9							
	OBS	00350	03.19	34.83	27.75		1469.0							
	OBS	00385	03.11	34.83	27.76		1469.2							
	STD	00400	03.11	34.83	27.76	00.219	1469.4							
	OBS	00400	03.11	34.83	27.76		1469.4							
	STD	00500	03.13	34.84	27.77	00.256	1471.2							
	OBS	00500	03.13	34.84	27.77		1471.2							
	OBS	00590	03.17	34.85	27.77		1472.9							
	STD	00600	03.27	34.86	27.77	00.295	1473.5							
	OBS	00600	03.27	34.86	27.77		1473.5							
	OBS	00620	03.21	34.85	27.77		1473.5							
	OBS	00631	03.21	34.85	27.77		1473.7							
	OBS	00636	03.26	34.86	27.77		1474.0							
	OBS	00650	03.25	34.85	27.76		1474.2							
	OBS	00660	03.22	34.85	27.77		1474.3							
	STD	00700	03.22	34.86	27.77	00.333	1474.9							
	OBS	00700	03.22	34.86	27.77		1474.9							
	OBS	00715	03.25	34.86	27.77		1475.3							
	OBS	00725	03.19	34.85	27.77		1475.2							
	STD	00800	03.24	34.86	27.77	00.373	1476.7							
	OBS	00800	03.24	34.86	27.77		1476.7							
	OBS	00821	03.27	34.86	27.77		1477.2							
	OBS	00858	03.20	34.84	27.76		1477.4							
	STD	00900	03.20	34.84	27.76	00.413	1478.1							
	OBS	00900	03.20	34.84	27.76		1478.1							
	STD	01000	03.20	34.85	27.77	00.455	1479.8							
	OBS	01000	03.20	34.85	27.77		1479.8							
	OBS	01050	03.23	34.85	27.77		1480.6							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

FEFID 31 8195	YEAR 1975	BOTOP 01152	AIR TEMP 10.7	DIR HGT PER	WIND-DIR 33	INST STO RECORDER	TEN SQ 1306
CONSEC 0306	MONTH 08	SHIP E1	WET BULB 09.7	35 3 3	WIND-SPD 04	TRACE DIR 0	5 SQUARE 4
LAT 47 00.0N	DAY 30	DATA USE 1	BARCMETR 1020.7	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 046 45.0W	HOUR 13.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A2 06106	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.48	33.07	25.21	00.000	1453.2							
13.5	OBS	00000	11.48	33.07	25.21		1493.2							
	STD	00010	11.18	33.08	25.27	00.027	1452.3							
	OBS	00010	11.18	33.08	25.27		1492.3							
	STD	00020	11.18	34.22	26.16	00.050	1453.9							
	OBS	00020	11.18	34.22	26.16		1493.9							
	STD	00030	01.43	33.92	27.17	00.064	1454.8							
	OBS	00030	01.43	33.92	27.17		1454.8							
	OBS	00035	01.11	34.12	27.35		1453.7							
	OBS	00044	01.40	34.15	27.36		1455.2							
	OBS	00046	01.35	34.13	27.34		1454.9							
	STD	00050	01.42	34.18	27.38	00.080	1455.4							
	OBS	00050	01.42	34.18	27.38		1455.4							
	OBS	00060	02.20	34.34	27.45		1459.2							
	OBS	00070	01.95	34.30	27.44		1458.2							
	STD	00075	01.98	34.31	27.44	00.097	1458.5							
	OBS	00075	01.98	34.31	27.44		1458.5							
	OBS	00080	01.92	34.29	27.43		1458.3							
	STD	00100	02.60	34.51	27.55	00.112	1461.9							
	OBS	00100	02.60	34.51	27.55		1461.9							
	OBS	00112	02.81	34.55	27.57		1463.0							
	OBS	00122	02.43	34.52	27.57		1461.5							
	STD	00125	02.46	34.54	27.59	00.126	1461.7							
	OBS	00125	02.46	34.54	27.59		1461.7							
	OBS	00130	02.50	34.55	27.59		1462.0							
	OBS	00137	02.42	34.55	27.60		1461.7							
	STD	00150	02.60	34.63	27.65	00.138	1462.8							
	OBS	00150	02.60	34.63	27.65		1462.8							
	OBS	00186	03.15	34.72	27.67		1465.9							
	OBS	00192	03.04	34.71	27.67		1465.5							
	STD	00200	03.06	34.72	27.68	00.161	1465.8							
	OBS	00200	03.06	34.72	27.68		1465.8							
	OBS	00215	03.17	34.76	27.70		1466.6							
	OBS	00224	03.06	34.74	27.69		1466.2							
	STD	00250	03.21	34.78	27.71	00.182	1467.3							
	OBS	00250	03.21	34.78	27.71		1467.3							
	OBS	00273	03.28	34.79	27.71		1468.0							
	OBS	00263	03.10	34.75	27.70		1467.4							
	STD	00300	03.26	34.81	27.73	00.202	1468.4							
	OBS	00300	03.26	34.81	27.73		1468.4							
	OBS	00360	03.36	34.84	27.75		1469.9							
	STD	00400	03.36	34.84	27.75	00.242	1470.5							
	OBS	00400	03.36	34.84	27.75		1470.5							
	OBS	00430	03.36	34.85	27.75		1471.0							
	OBS	00462	03.50	34.86	27.75		1472.2							
	STD	00500	03.52	34.86	27.75	00.282	1472.9							
	OBS	00500	03.52	34.86	27.75		1472.9							
	STD	00600	03.30	34.84	27.75	00.322	1473.6							
	OBS	00600	03.30	34.84	27.75		1473.6							
	OBS	00613	03.26	34.84	27.75		1473.6							
	OBS	00642	03.27	34.85	27.76		1474.2							
	OBS	00647	03.30	34.85	27.76		1474.4							
	OBS	00694	03.30	34.87	27.77		1475.2							
	STD	00700	03.37	34.87	27.77	00.362	1475.6							
	OBS	00700	03.37	34.87	27.77		1475.6							
	OBS	00794	03.36	34.86	27.76		1477.1							
	STD	00800	03.33	34.85	27.76	00.403	1477.0							
	OBS	00800	03.33	34.85	27.76		1477.0							
	OBS	00845	03.33	34.85	27.76		1477.8							
	OBS	00847	03.29	34.84	27.75		1477.6							
	OBS	00873	03.35	34.86	27.76		1478.4							
	STD	00900	03.35	34.86	27.76	00.444	1478.8							
	OBS	00900	03.35	34.86	27.76		1478.8							
	OBS	00950	03.36	34.87	27.77		1479.7							
	OBS	00960	03.30	34.86	27.77		1479.6							
	OBS	00969	03.33	34.87	27.77		1479.9							
	OBS	00978	03.25	34.85	27.76		1479.7							
	STD	01000	03.24	34.85	27.76	00.486	1480.0							
	OBS	01000	03.24	34.85	27.76		1480.0							
	OBS	01056	03.27	34.86	27.77		1481.1							
	OBS	01070	03.32	34.87	27.77		1481.5							
	STD	01100	03.32	34.86	27.76	00.529	1482.0							
	OBS	01100	03.32	34.86	27.76		1482.0							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFID 31 8155	YEAR 1975	BOTOP 00471	AIR TEMP 11.1	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SO 1506
CONSEC 0007	MONTH 08	SHIP E1	WET BULB 10.2	03 3 4	WIND-SPD 09	TRACE DIR 0	5 SQUARE 4
LAT 47 00.0N	DAY 30	DATA USE 1	BARCHETR 1021.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE AA
LONG 046 31.0W	HOUR 15.4	AREA 05	CLOUD 7/A	CL/TR	WEATHER X1	ORIG A2 06107	5 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.75	32.79	24.94	00.000	1493.8							
15.4	OBS	00000	11.75	32.79	24.94		1493.8							
	STD	00010	11.31	32.93	25.13	00.029	1492.6							
	OBS	00010	11.31	32.93	25.13		1492.6							
	STD	00020	08.07	34.11	26.59	00.051	1482.4							
	OBS	00020	08.07	34.11	26.59		1482.4							
	STD	00030	03.82	33.90	26.95	00.064	1465.1							
	OBS	00030	03.82	33.90	26.95		1465.1							
	OBS	00040	02.97	34.02	27.13		1461.8							
	STD	00050	02.79	34.11	27.22	00.084	1461.3							
	OBS	00050	02.79	34.11	27.22		1461.3							
	OBS	00060	02.81	34.17	27.26		1461.6							
	STD	00075	02.87	34.27	27.34	00.104	1462.3							
	OBS	00075	02.87	34.27	27.34		1462.3							
	OBS	00090	03.45	34.42	27.40		1465.2							
	STD	00100	03.25	34.41	27.41	00.122	1464.5							
	OBS	00100	03.25	34.41	27.41		1464.5							
	OBS	00105	03.19	34.40	27.41		1464.3							
	STD	00125	03.51	34.63	27.56	00.137	1466.3							
	OBS	00125	03.51	34.63	27.56		1466.3							
	OBS	00140	03.95	34.67	27.55		1468.7							
	STD	00150	03.97	34.66	27.54	00.151	1468.7							
	OBS	00150	03.97	34.66	27.54		1468.7							
	OBS	00165	03.32	34.57	27.53		1466.1							
	OBS	00175	03.41	34.67	27.60		1466.8							
	OBS	00190	03.68	34.73	27.63		1468.3							
	OBS	00195	03.45	34.68	27.61		1467.3							
	STD	00200	03.49	34.71	27.63	00.177	1467.6							
	OBS	00200	03.49	34.71	27.63		1467.6							
	OBS	00210	03.37	34.69	27.62		1467.2							
	OBS	00212	03.42	34.71	27.64		1467.5							
	OBS	00220	03.35	34.68	27.62		1467.3							
	OBS	00230	03.66	34.76	27.65		1468.5							
	OBS	00240	03.41	34.73	27.65		1467.5							
	STD	00250	03.40	34.74	27.66	00.201	1468.1							
	OBS	00250	03.40	34.74	27.66		1468.1							
	OBS	00258	03.31	34.72	27.65		1467.8							
	OBS	00270	03.87	34.85	27.70		1470.6							
	STD	00300	04.07	34.88	27.70	00.223	1471.9							
	OBS	00300	04.07	34.88	27.70		1471.9							
	OBS	00319	04.07	34.88	27.70		1472.2							
	OBS	00350	03.79	34.85	27.71		1471.5							
	OBS	00365	03.79	34.85	27.71		1471.8							
	OBS	00370	03.84	34.88	27.73		1472.1							
	STD	00400	03.62	34.85	27.73	00.265	1471.6							
	OBS	00400	03.62	34.85	27.73		1471.6							
	OBS	00450	03.53	34.85	27.74		1472.1							

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REFID 31 8155	YEAR 1975	BOTOP 00300	AIR TEMP 11.4	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SO 1306
CONSEC 0008	MONTH 08	SHIP E1	WET BULB 10.6	35 3 4	WIND-SPD 09	TRACE DIR 0	5 SQUARE 4
LAT 46 59.0N	DAY 30	DATA USE 1	BARCHETR 1021.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 046 09.0W	HOUR 17.6	AREA 05	CLOUD 7/A	CL/TR	WEATHER X1	ORIG A2 06108	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.50	32.96	24.74	00.000	1500.0							
17.6	OBS	00000	13.50	32.96	24.74		1500.0							
	STD	00010	12.72	33.00	24.92	00.031	1497.6							
	OBS	00010	12.72	33.00	24.92		1497.6							
	STD	00020	05.65	33.62	26.53	00.054	1472.2							
	OBS	00020	05.65	33.62	26.53		1472.2							
	STD	00030	04.57	33.74	26.75	00.068	1468.0							
	OBS	00030	04.57	33.74	26.75		1468.0							
	STD	00050	02.77	33.90	27.05	00.092	1460.9							
	OBS	00050	02.77	33.90	27.05		1460.9							
	OBS	00052	02.86	33.91	27.05		1461.4							
	OBS	00055	02.76	33.91	27.06		1461.0							
	OBS	00063	02.32	33.90	27.09		1459.2							
	STD	00075	02.73	34.28	27.36	00.114	1461.7							
	OBS	00075	02.73	34.28	27.36		1461.7							
	STD	00100	03.21	34.40	27.41	00.131	1464.3							
	OBS	00100	03.21	34.40	27.41		1464.3							
	OBS	00114	03.44	34.49	27.46		1465.7							
	OBS	00120	03.36	34.47	27.45		1465.4							
	STD	00125	03.36	34.50	27.47	00.148	1465.5							
	OBS	00125	03.36	34.50	27.47		1465.5							
	OBS	00132	03.37	34.53	27.50		1465.7							
	STD	00150	03.66	34.62	27.54	00.163	1467.5							
	OBS	00150	03.68	34.62	27.54		1467.5							
	OBS	00155	03.60	34.61	27.54		1467.2							
	OBS	00180	03.64	34.68	27.59		1467.9							
	STD	00200	03.82	34.74	27.62	00.189	1469.0							
	OBS	00200	03.82	34.74	27.62		1469.0							
	OBS	00245	03.93	34.84	27.69		1470.4							
	STD	00250	03.93	34.84	27.69	00.213	1470.5							
	OBS	00250	03.93	34.84	27.69		1470.5							
	OBS	00257	03.90	34.84	27.69		1470.5							
	OBS	00285	03.80	34.86	27.72		1470.5							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

FEFID 31 8155	YEAR 1975	BOTOP 00301	AIR TEMP 11.7	DIR FCT PER	WIND-DIR 34	INST STD RECORDER	TEN SO 1306
CONSEC 0035	MONTH 08	SHIP E1	WET BULB 11.0	34 0 2	WIND-SPD 09	TRACE CIR 0	5 SQUARE 4
LAT 46 58.5N	DAY 30	CATA USE 1	BARCHETA 1021.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 64
LONG 045 49.5W	HOUR 18.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A2 06105	1 SQUARE 65

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	AO2	NO3	SIO3	PM
	STD	00000	14.05	32.80	24.50	00.000	1501.6							
18.9	OBS	00000	14.05	32.80	24.50		1501.6							
	STD	C0010	14.01	32.81	24.52	00.034	1501.7							
	OBS	00010	14.01	32.81	24.52		1501.7							
	STD	00020	13.72	32.83	24.59	00.068	1500.9							
	OBS	00020	13.72	32.83	24.59		1500.9							
	STD	00030	09.43	32.88	25.41	00.098	1486.1							
	OBS	00030	09.43	32.88	25.41		1486.1							
	STD	00050	02.00	33.49	26.79	00.137	1457.0							
	OBS	00050	02.00	33.49	26.79		1457.0							
	OBS	00054	02.18	33.63	26.88		1458.1							
	OBS	00060	01.62	33.83	27.09		1456.0							
	OBS	00062	01.68	33.88	27.12		1456.3							
	OBS	00068	01.64	33.87	27.12		1456.2							
	STD	00075	01.88	34.04	27.23	00.163	1457.7							
	OBS	00075	01.88	34.04	27.23		1457.7							
	OBS	00080	02.02	34.06	27.24		1458.4							
	OBS	00082	01.90	34.04	27.23		1457.9							
	OBS	00095	03.17	34.32	27.35		1464.0							
	STD	00100	03.04	34.30	27.35	00.183	1463.5							
	OBS	00100	03.04	34.30	27.35		1463.5							
	OBS	00105	03.10	34.35	27.38		1463.9							
	OBS	00106	03.05	34.34	27.38		1463.7							
	OBS	00119	03.16	34.42	27.43		1464.5							
	STD	00125	03.40	34.48	27.45	00.200	1465.7							
	OBS	00125	03.40	34.48	27.45		1465.7							
	OBS	00127	03.45	34.50	27.46		1466.1							
	OBS	00131	03.12	34.45	27.46		1464.5							
	OBS	00135	03.19	34.50	27.49		1465.0							
	OBS	00137	03.08	34.47	27.48		1464.5							
	OBS	00140	03.14	34.50	27.50		1464.8							
	OBS	00146	03.05	34.48	27.49		1464.5							
	STD	00150	03.52	34.62	27.55	00.215	1466.8							
	OBS	00150	03.52	34.62	27.55		1466.8							
	OBS	00160	04.01	34.70	27.57		1469.1							
	OBS	00162	03.92	34.66	27.56		1468.8							
	OBS	00175	03.94	34.67	27.55		1469.0							
	OBS	00180	03.85	34.68	27.57		1468.8							
	STD	00200	03.90	34.73	27.60	00.242	1469.4							
	OBS	00200	03.90	34.73	27.60		1469.4							
	OBS	00235	04.04	34.81	27.65		1470.6							
	STD	00250	04.00	34.82	27.66	00.267	1470.7							
	OBS	00250	04.00	34.82	27.66		1470.7							
	OBS	00280	03.87	34.86	27.71		1470.7							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8458	YEAR 1975	BOTOP 03761	AIR TEMP 20.6	OSR PCT PER	WIND-DIR 04	INST STD RECORDER	TEN SG 1306
CONSEC 0001	MONTH 09	SHIP E1	WET BULB 19.2	OB 4 3	WIND-SPD 08	TRACE CIR 0	5 SQUARE 1
LAT 43 15.0N	DAY 01	DATA USE 1	BARCMETR 1021.5	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 20
LONG 041 44.0W	HOUR 00.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG A3 06401	1 SQUARE 31

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	22.54	35.76	24.66	00.000	1529.7							
00.3	OBS	00000	22.54	35.76	24.66		1529.7							
	STD	00010	22.81	35.88	24.68	00.033	1530.7							
	OBS	00010	22.81	35.88	24.68		1530.7							
	STD	00020	21.38	36.23	25.34	00.062	1527.6							
	OBS	00020	21.38	36.23	25.34		1527.6							
	STD	00030	19.13	36.37	26.05	00.086	1521.8							
	OBS	00030	19.13	36.37	26.05		1521.8							
	STD	00050	18.34	36.37	26.25	00.123	1519.9							
	OBS	00050	18.34	36.37	26.25		1519.9							
	STD	00075	17.77	36.35	26.38	00.167	1518.7							
	OBS	00075	17.77	36.35	26.38		1518.7							
	STD	00100	17.34	36.37	26.50	00.207	1517.8							
	OBS	00100	17.34	36.37	26.50		1517.8							
	STD	00125	17.05	36.27	26.49	00.247	1517.3							
	OBS	00125	17.05	36.27	26.49		1517.3							
	STD	00150	16.31	36.19	26.61	00.286	1515.4							
	OBS	00150	16.31	36.19	26.61		1515.4							
	OBS	00180	15.94	36.14	26.66		1514.7							
	OBS	00185	15.99	36.15	26.65		1514.9							
	STD	00200	15.74	36.11	26.68	00.359	1514.3							
	OBS	00200	15.74	36.11	26.68		1514.3							
	STD	00250	15.09	36.01	26.75	00.429	1513.0							
	OBS	00250	15.09	36.01	26.75		1513.0							
	STD	00300	14.44	35.90	26.81	00.497	1511.6							
	OBS	00300	14.44	35.90	26.81		1511.6							
	STD	00400	13.09	35.68	26.92	00.627	1508.6							
	OBS	00400	13.09	35.68	26.92		1508.6							
	OBS	00420	12.89	35.65	26.94		1508.2							
	OBS	00433	12.91	35.65	26.93		1508.4							
	STD	00500	12.10	35.57	27.03	00.748	1506.7							
	OBS	00500	12.10	35.57	27.03		1506.7							
	STD	00600	10.04	35.27	27.17	00.858	1500.7							
	OBS	00600	10.04	35.27	27.17		1500.7							
	OBS	00620	09.83	35.24	27.19		1500.2							
	OBS	00630	09.85	35.31	27.24		1500.6							
	OBS	00675	08.58	35.11	27.29		1496.4							
	OBS	00685	08.66	35.12	27.29		1496.9							
	STD	00700	08.20	35.04	27.29	00.956	1495.3							
	OBS	00700	08.20	35.04	27.29		1495.3							
	OBS	00735	07.66	35.02	27.36		1493.7							
	OBS	00742	07.78	35.04	27.36		1494.3							
	STD	00800	06.93	34.97	27.43	01.041	1491.9							
	OBS	00800	06.93	34.97	27.43		1491.9							
	STD	00900	05.79	34.96	27.57	01.113	1489.0							
	OBS	00900	05.79	34.96	27.57		1489.0							
	OBS	00930	05.48	34.94	27.59		1488.2							
	OBS	00940	05.49	34.95	27.60		1488.5							
	OBS	00965	05.20	34.93	27.62		1487.7							
	OBS	00975	05.24	34.94	27.62		1488.0							
	OBS	00985	05.15	34.94	27.63		1487.8							
	STD	01000	05.30	34.98	27.65	01.175	1488.7							
	OBS	01000	05.30	34.98	27.65		1488.7							
	OBS	01030	05.15	34.98	27.66		1488.6							
	OBS	01050	05.35	35.04	27.69		1490.5							
	STD	01100	05.09	34.99	27.68	01.231	1489.6							
	OBS	01100	05.09	34.99	27.68		1489.6							
	OBS	01150	04.82	34.96	27.69		1489.3							
	OBS	01175	04.85	34.96	27.68		1489.8							
	OBS	01185	04.71	34.95	27.69		1489.4							
	STD	01200	04.73	34.96	27.70	01.286	1489.7							
	OBS	01200	04.73	34.96	27.70		1489.7							
	OBS	01220	04.64	34.95	27.70		1489.7							
	OBS	01240	04.62	34.96	27.71		1489.9							
	STD	01300	04.48	34.94	27.71	01.340	1490.3							
	OBS	01300	04.48	34.94	27.71		1490.3							
	STD	01400	04.26	34.92	27.72	01.393	1491.1							
	OBS	01400	04.26	34.92	27.72		1491.1							
	STD	01500	04.13	34.91	27.72	01.446	1492.2							
	OBS	01500	04.13	34.91	27.72		1492.2							
	OBS	01565	03.98	34.88	27.71		1492.6							
	OBS	01600	03.98	34.88	27.71		1493.2							
	OBS	01620	03.98	34.88	27.71		1493.6							
	OBS	01740	03.83	34.87	27.72		1494.9							
	STD	01750	03.83	34.87	27.72	01.579	1495.1							
	OBS	01750	03.83	34.87	27.72		1495.1							
	OBS	01800	03.81	34.86	27.72		1495.9							
	OBS	01840	03.83	34.84	27.70		1496.6							
	OBS	01860	03.80	34.84	27.70		1496.8							
	OBS	01900	03.80	34.84	27.70		1497.5							
	OBS	01940	03.86	34.84	27.70		1498.4							
	STD	02000	03.82	34.84	27.70	01.719	1499.3							
	OBS	02000	03.82	34.84	27.70		1499.3							
	OBS	02155	03.74											
	STD	02500	03.51											
	OBS	02500	03.51											
	STD	03000	03.07											
	OBS	03000	03.07											

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

#5FIO 31 8458	YEAR 1575	BOTOP 04665	AIR TEMP 23.5	OIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SO 1306	
CONSEC 0002	MONTH 09	SHIP E1	WET BULB 21.4	02 1 3	WIND-SPO 15	TRACE CIR 0	5 SQUARE 1	
LAT 43 21.0N	DAY 01	DATA USE 1	BARCHETR 1023.7	SEA	WIND-FOR	OURATICA 00.4	2 SQUARE 22	
LONG 042 25.0N	HOUR 17.9	AREA 05	CLCUD 7/A	CL/TR	WEATHER X2	ORIG A3 06402	1 SQUARE 32	

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	22.70	35.79	24.64	00.000	1530.1							
17.9	OBS	00000	22.70	35.79	24.64		1530.1							
	STD	00010	22.62	35.77	24.65	00.033	1530.1							
	OBS	00010	22.62	35.77	24.65		1530.1							
	STD	00020	22.40	35.74	24.69	00.066	1525.6							
	OBS	00020	22.40	35.74	24.69		1529.8							
	STD	00030	22.16	35.78	24.78	00.058	1529.2							
	OBS	00030	22.16	35.78	24.78		1529.2							
	STD	00050	17.62	35.64	26.03	00.150	1517.2							
	OBS	00050	17.62	35.64	26.03		1517.2							
	STD	00075	15.68	35.94	26.52	00.195	1512.5							
	OBS	00075	15.68	35.94	26.52		1512.5							
	OBS	00085	16.26	36.13	26.57		1514.1							
	STD	00100	16.00	36.07	26.59	00.233	1513.5							
	OBS	00100	16.00	36.07	26.59		1513.5							
	STD	00125	15.40	35.98	26.66	00.269	1511.9							
	OBS	00125	15.40	35.98	26.66		1511.9							
	STD	00150	14.74	35.86	26.71	00.305	1510.1							
	OBS	00150	14.74	35.86	26.71		1510.1							
	OBS	00175	14.17	35.79	26.78		1508.6							
	STD	00200	13.56	35.74	26.78	00.372	1508.2							
	OBS	00200	13.56	35.74	26.78		1508.2							
	STD	00250	13.38	35.67	26.85	00.438	1507.1							
	OBS	00250	13.38	35.67	26.85		1507.1							
	STD	00300	12.67	35.57	26.92	00.500	1505.4							
	OBS	00300	12.67	35.57	26.92		1505.4							
	OBS	00392	11.72	35.47	27.03		1503.5							
	STD	00400	11.72	35.48	27.03	00.618	1503.7							
	OBS	C0400	11.72	35.48	27.03		1503.7							
	OBS	00471	08.25	34.85	27.14		1491.4							
	OBS	00480	06.23	34.64	27.13		1491.5							
	STD	00500	05.05	35.09	27.20	00.724	1495.2							
	OBS	00500	05.05	35.09	27.20		1455.2							
	OBS	00506	05.23	35.13	27.20		1456.0							
	OBS	00520	05.23	35.13	27.20		1456.3							
	OBS	00550	07.16	34.80	27.26		1488.5							
	OBS	00557	07.20	34.82	27.27		1488.8							
	OBS	00565	06.86	34.78	27.27		1487.5							
	OBS	00550	06.90	34.83	27.32		1488.1							
	STD	00600	06.83	34.87	27.36	00.814	1488.1							
	OBS	00600	06.83	34.87	27.36		1488.1							
	OBS	C0620	07.12	34.92	27.36		1489.6							
	OBS	00640	06.75	34.88	27.38		1488.4							
	OBS	00655	07.47	35.08	27.44		1491.8							
	OBS	00665	07.18	35.05	27.45		1450.8							
	OBS	00880	07.22	35.08	27.47		1451.2							
	STD	00700	06.82	35.02	27.48	00.891	1489.9							
	OBS	00700	06.82	35.02	27.48		1485.9							
	OBS	00735	05.22	34.81	27.52		1483.8							
	OBS	00775	05.25	34.82	27.52		1484.0							
	OBS	00790	05.75	34.94	27.55		1487.2							
	STD	C0800	04.83	34.78	27.54	00.959	1483.2							
	OBS	00800	04.83	34.78	27.54		1483.2							
	OBS	C0810	04.58	34.75	27.55		1482.3							
	OBS	00822	05.20	34.93	27.62		1485.3							
	OBS	00843	05.43	34.95	27.61		1486.6							
	OBS	00873	04.94	34.89	27.62		1485.0							
	OBS	00880	04.57	34.51	27.63		1485.3							
	STD	00900	04.72	34.88	27.63	01.020	1484.6							
	OBS	00900	04.72	34.88	27.63		1484.6							
	OBS	00910	04.90	34.94	27.66		1485.6							
	OBS	C0920	04.83	34.91	27.64		1485.4							
	OBS	00945	05.10	34.99	27.68		1487.0							
	OBS	00955	04.94	34.98	27.69		1487.2							
	STD	01000	04.96	34.99	27.69	01.075	1487.4							
	OBS	01000	04.96	34.99	27.69		1487.4							
	OBS	01010	05.06	35.01	27.70		1486.0							
	OBS	01030	05.06	35.01	27.70		1486.3							
	OBS	01045	04.91	34.98	27.69		1487.9							
	STD	01100	04.82	34.98	27.70	01.127	1488.4							
	OBS	01100	04.82	34.98	27.70		1488.4							
	OBS	01140	04.58	34.96	27.71		1488.1							
	OBS	01150	04.61	34.97	27.72		1488.4							
	OBS	01163	04.43	34.95	27.72		1488.4							
	STD	01200	04.48	34.96	27.72	01.179	1488.7							
	OBS	01200	04.48	34.96	27.72		1488.7							
	STD	01300	04.36	34.96	27.74	01.230	1489.9							
	OBS	01300	04.36	34.96	27.74		1489.9							
	STD	01400	04.18	34.94	27.74	01.280	1490.8							
	OBS	01400	04.18	34.94	27.74		1490.8							
	STD	01500	04.06	34.94	27.75	01.330	1492.0							
	OBS	01500	04.06	34.94	27.75		1492.0							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NOCC STATION DATA

FEFIO 31 8458	YEAR 1975	BOTOP 03105	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1306
CONSEC 0003	MONTH 09	SHIF E1	WET BULB 14.2	02 1 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 1
LAT 43 30.0N	DAY 01	DATA USE 1	BARGMETA 1023.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 22
LONG 343 02.0W	HOUR 20.6	AREA 05	CLOUD 7/A	CL/TA	WEATHER X1	ORIG A3 06403	1 SQUARE 33

CAST NUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-7	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	21.20	35.33	24.71	00.000	1525.7							
20.6	OBS	00000	21.20	35.33	24.71		1525.7							
	STD	00010	21.28	35.37	24.72	00.032	1526.2							
	OBS	00010	21.28	35.37	24.72		1526.2							
	OBS	00015	21.33	35.41	24.73		1526.4							
	STD	00020	21.28	35.45	24.78	00.085	1526.4							
	OBS	00020	21.28	35.45	24.78		1526.4							
	STD	00030	20.31	35.52	25.09	00.095	1524.1							
	OBS	00030	20.31	35.52	25.09		1524.1							
	STD	00050	15.65	35.64	26.34	00.141	1511.0							
	OBS	00050	15.65	35.64	26.34		1511.0							
	OBS	00055	15.28	35.81	26.55		1510.2							
	OBS	00064	15.18	35.88	26.63		1510.1							
	STD	00075	15.00	35.83	26.63	00.180	1509.6							
	OBS	00075	15.00	35.83	26.63		1509.6							
	OBS	00085	14.61	35.77	26.67		1508.5							
	OBS	00090	14.75	35.84	26.69		1509.1							
	STD	00100	14.40	35.73	26.68	00.216	1508.0							
	OBS	00100	14.40	35.73	26.68		1508.0							
	OBS	00119	13.53	35.62	26.78		1505.4							
	STD	00125	13.65	35.68	26.80	00.249	1505.9							
	OBS	00125	13.65	35.68	26.80		1505.9							
	OBS	00130	13.54	35.66	26.81		1505.6							
	OBS	00137	13.57	35.68	26.82		1505.9							
	STD	00150	13.41	35.64	26.82	00.281	1505.5							
	OBS	00150	13.41	35.64	26.82		1505.5							
	OBS	00165	12.88	35.56	26.87		1503.9							
	OBS	00168	13.01	35.62	26.89		1504.4							
	STD	00200	12.63	35.56	26.92	00.343	1503.6							
	OBS	00200	12.63	35.56	26.92		1503.6							
	STD	00250	12.09	35.49	26.97	00.402	1502.5							
	OBS	00250	12.09	35.49	26.97		1502.5							
	OBS	00280	11.54	35.44	27.04		1501.0							
	STD	00300	11.23	35.40	27.06	00.458	1500.2							
	OBS	00300	11.23	35.40	27.06		1500.2							
	OBS	00320	11.15	35.38	27.06		1500.2							
	OBS	00340	10.52	35.28	27.10		1498.2							
	OBS	00380	09.68	35.17	27.16		1495.7							
	STD	00400	09.49	35.12	27.15	00.563	1495.2							
	OBS	00400	09.49	35.12	27.15		1495.2							
	OBS	00430	08.85	35.09	27.23		1493.5							
	OBS	00437	09.00	35.14	27.25		1494.1							
	OBS	00450	08.66	35.08	27.25		1492.9							
	OBS	00459	08.78	35.12	27.27		1493.6							
	OBS	00485	08.16	35.07	27.32		1491.6							
	STD	00500	08.00	35.06	27.34	00.655	1491.2							
	OBS	00500	08.00	35.06	27.34		1491.2							
	OBS	00520	07.58	35.01	27.36		1489.9							
	OBS	00535	07.22	34.99	27.40		1488.7							
	OBS	00546	06.90	34.95	27.41		1487.6							
	OBS	00558	07.06	35.01	27.44		1488.5							
	OBS	00594	06.74	34.97	27.45		1487.8							
	STD	00600	06.53	34.95	27.47	00.732	1486.9							
	OBS	00600	06.50	34.95	27.47		1486.9							
	OBS	00675	05.51	34.97	27.56		1485.8							
	OBS	00685	05.77	34.96	27.57		1485.4							
	OBS	00693	05.79	35.00	27.60		1485.7							
	OBS	00658	05.84	35.00	27.59		1485.5							
	STD	00700	05.82	35.00	27.60	00.798	1485.9							
	OBS	00700	05.82	35.00	27.60		1485.9							
	OBS	00733	05.73	35.01	27.62		1486.0							
	OBS	00740	05.73	35.02	27.62		1486.2							
	OBS	00782	05.35	34.99	27.65		1485.3							
	STD	00800	05.51	35.01	27.64	00.856	1486.3							
	OBS	00800	05.51	35.01	27.64		1486.3							
	OBS	00838	05.56	-33.03	27.65		1486.7							
	OBS	00838	05.20	34.99	27.66		1485.7							
	OBS	00845	05.26	35.02	27.68		1486.1							
	OBS	00867	05.17	35.01	27.68		1486.0							
	OBS	00875	05.24	35.02	27.68		1486.5							
	OBS	00895	05.22	35.01	27.68		1486.7							
	STD	00900	05.19	35.00	27.67	00.911	1486.7							
	OBS	00900	05.19	35.00	27.67		1486.7							
	OBS	00929	04.90	34.98	27.69		1485.9							

Table III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00960	04.83	34.98	27.70		1486.2							
	OBS	00965	04.74	34.57	27.70		1485.9							
	OBS	00970	04.76	34.98	27.71		1486.0							
	STD	C1000	04.69	34.97	27.71	00.963	1486.2							
	OBS	01000	04.69	34.97	27.71		1486.2							
	OBS	01015	04.50	34.93	27.70		1485.6							
	OBS	01023	04.53	34.95	27.71		1485.9							
	OBS	01039	04.47	34.94	27.71		1485.9							
	OBS	01045	04.52	34.96	27.72		1486.3							
	OBS	01085	04.16	34.92	27.73		1485.5							
	STD	01100	04.20	34.92	27.72	01.013	1485.8							
	OBS	01100	04.20	34.92	27.72		1485.8							
	OBS	01110	04.12	34.91	27.72		1485.6							
	OBS	01132	04.08	34.91	27.73		1485.8							
	OBS	01165	04.08	34.91	27.73		1486.4							
	STD	01200	03.98	34.91	27.74	01.062	1486.5							
	OBS	01200	03.98	34.91	27.74		1486.5							
	OBS	01253	03.92	34.91	27.74		1487.2							
	OBS	01275	03.97	34.92	27.75		1487.8							
	STD	01300	03.95	34.91	27.74	01.110	1488.1							
	OBS	01300	03.95	34.91	27.74		1488.1							
	STD	01400	03.84	34.91	27.75	01.159	1489.3							
	OBS	01400	03.84	34.91	27.75		1489.3							
	OBS	01455	03.83	34.91	27.75		1490.2							
	OBS	01485	03.77	34.90	27.75		1490.4							
	STD	01500	03.67	34.89	27.75	01.207	1490.3							
	OBS	C1500	03.67	34.89	27.75		1490.3							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFIC 31 3458	YEAR 1975	BOTOP 02560	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 27	INST STC RECORDER	TEM SQ 1306
CONSEC 0004	MONTH 09	SHIP E1	WET BULB 15.9	18 1 2	WIND-SPD 03	TRACE DIR C	5 SQUARE 1
LAT 43 35.5N	DAY 01	DATA USE 1	BARCMETR 1020.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 22
LONG 043 42.5W	HOUR 22.9	AREA 05	CLCUO T/A	CL/TR	WEATHER 20	ORIG A3 06404	1 SQUARE 33

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	16.41	33.18	24.28	00.000	1505.6							
22.5	OBS	00000	16.41	35.18	24.28		1505.6							
	OBS	00008	16.10	33.14	24.32		1508.7							
	STD	00010	17.39	34.94	25.39	00.031	1514.8							
	OBS	00010	17.39	34.94	25.39		1514.8							
	STD	00020	16.49	34.53	25.60	00.056	1512.3							
	OBS	00020	16.49	34.93	25.60		1512.3							
	OBS	00025	16.39	35.90	26.37		1513.2							
	STO	00030	16.24	35.91	26.41	00.076	1512.8							
	OBS	00030	16.24	35.91	26.41		1512.8							
	STO	00050	15.54	35.92	26.58	00.108	1511.0							
	OBS	00050	15.54	35.92	26.58		1511.0							
	STD	00075	15.01	35.88	26.67	00.144	1509.7							
	OBS	00075	15.01	35.88	26.67		1509.7							
	STD	00100	14.33	35.80	26.75	00.178	1507.9							
	OBS	00100	14.33	35.80	26.75		1507.9							
	STD	00125	13.81	35.71	26.79	00.211	1506.5							
	OBS	00125	13.81	35.71	26.79		1506.5							
	STD	00150	13.30	35.64	26.85	00.243	1505.1							
	OBS	00150	13.30	35.64	26.85		1505.1							
	OBS	00150	12.69	35.56	26.91		1503.6							
	STD	00200	12.74	35.58	26.91	00.304	1504.0							
	OBS	00200	12.74	35.58	26.91		1504.0							
	OBS	00240	12.04	35.46	26.56		1502.1							
	STD	00250	12.04	35.46	26.96	00.364	1502.3							
	OBS	00250	12.04	35.46	26.96		1502.3							
	OBS	00270	11.57	35.45	26.96		1502.4							
	STD	00300	10.75	35.24	27.03	00.421	1498.3							
	OBS	00300	10.75	35.24	27.03		1498.3							
	OBS	00342	08.76	34.92	27.11		1491.3							
	OBS	00350	08.85	34.56	27.12		1492.0							
	OBS	00355	08.18	34.84	27.14		1489.2							
	OBS	00371	05.27	35.08	27.16		1493.5							
	OBS	00350	07.54	34.77	27.18		1487.3							
	STD	00400	05.14	35.20	27.27	00.521	1494.0							
	OBS	00400	09.14	35.20	27.27		1494.0							
	STD	00500	07.72	35.05	27.37	00.606	1490.1							
	OBS	00500	07.72	35.05	27.37		1490.1							
	OBS	00556	06.55	35.01	27.45		1486.0							
	OBS	00565	07.01	35.04	27.47		1488.4							
	STD	00600	06.40	34.58	27.51	00.680	1486.5							
	OBS	00600	06.40	34.98	27.51		1486.5							
	OBS	00645	06.10	35.00	27.56		1486.1							
	OBS	00680	05.95	35.00	27.58		1486.1							
	OBS	00685	06.21	35.04	27.58		1487.3							
	STD	00700	05.74	34.95	27.60	00.743	1485.6							
	OBS	00700	05.74	34.95	27.60		1485.6							
	STD	00800	05.14	34.99	27.67	00.799	1484.8							
	OBS	00800	05.14	34.55	27.67		1484.8							
	STD	00900	04.80	34.98	27.70	00.851	1485.0							
	OBS	00900	04.80	34.98	27.70		1485.0							
	OBS	00930	04.69	34.98	27.72		1485.1							
	OBS	00952	04.69	34.98	27.72		1485.4							
	STD	01000	04.50	34.97	27.73	00.900	1485.4							
	OBS	01000	04.50	34.97	27.73		1485.4							
	STD	01100	04.33	34.96	27.74	00.948	1486.4							
	OBS	01100	04.33	34.96	27.74		1486.4							
	STD	01200	04.16	34.95	27.75	00.996	1487.3							
	OBS	01200	04.16	34.55	27.75		1487.3							
	STD	01300	04.07	34.95	27.76	01.043	1488.7							
	OBS	01300	04.07	34.95	27.76		1488.7							
	STD	01400	03.97	34.94	27.76	01.091	1485.9							
	OBS	01400	03.57	34.94	27.76		1485.9							
	OBS	01410	03.57	34.94	27.76		1490.1							
	OBS	01430	03.90	34.93	27.76		1490.1							
	OBS	01443	03.77	34.91	27.76		1489.7							
	OBS	01460	03.81	34.92	27.76		1490.2							
	OBS	01470	03.76	34.91	27.76		1490.2							
	OBS	01490	03.75	34.92	27.77		1490.6							
	STD	01500	03.85	34.53	27.77	01.138	1491.1							
	OBS	01500	03.85	34.53	27.77		1491.1							

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TABLE III. USCGC CHASE, August–September, 1977.—Continued

N O D C   S T A T I O N   D A T A

REFID 31 8458	YEAR 1975	BOTDP 04023	AIR TEMP 19.6	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1304
CONSEC 0005	MONTH 09	SHIP E1	WET BULB 18.9	00 0 X	WIND-SPD 05	TRACE DIR 0	5 SQUARE 1
LAT 43 46.0N	DAY 02	DATA USE 1	BAROMETR 1020.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 24
LONG 044 25.5W	HOUR 02.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 43 06405	1 SQUARE 34

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.26	33.22	23.87	00.000	1515.1							
02.5	OBS	00000	18.26	33.22	23.87		1515.1							
	STD	00010	18.25	33.23	23.88	00.040	1515.3							
	OBS	00010	18.25	33.23	23.88		1515.3							
	STD	00020	10.76	33.30	25.52	00.073	1491.3							
	OBS	00020	10.76	33.30	25.52		1491.3							
	STD	00030	08.34	33.38	25.97	00.096	1482.6							
	OBS	00030	08.34	33.38	25.97		1482.6							
	STD	00050	05.52	33.58	26.51	00.131	1472.1							
	OBS	00050	05.52	33.58	26.51		1472.1							
	STD	00075	03.42	33.82	26.93	00.165	1464.0							
	OBS	00075	03.42	33.82	26.93		1464.0							
	OBS	00083	03.19	33.95	27.05		1463.4							
	STD	00100	03.43	34.14	27.18	00.191	1464.9							
	OBS	00100	03.43	34.14	27.18		1464.9							
	OBS	00115	03.63	34.25	27.25		1466.2							
	STD	00125	03.60	34.25	27.25	00.212	1466.2							
	OBS	00125	03.60	34.25	27.25		1466.2							
	OBS	00140	03.60	34.32	27.31		1466.6							
	STD	00150	03.72	34.37	27.34	00.232	1467.3							
	OBS	00150	03.72	34.37	27.34		1467.3							
	OBS	00152	03.76	34.41	27.36		1467.5							
	STD	00200	03.94	34.54	27.45	00.268	1469.3							
	OBS	00200	03.94	34.54	27.45		1469.3							
	OBS	00220	04.02	34.60	27.49		1470.0							
	OBS	00230	04.02	34.61	27.50		1470.2							
	STD	00250	04.15	34.68	27.54	00.299	1471.2							
	OBS	00250	04.15	34.68	27.54		1471.2							
	OBS	00252	04.12	34.68	27.54		1471.1							
	OBS	00262	04.12	34.70	27.56		1471.3							
	OBS	00285	04.62	34.79	27.57		1473.9							
	OBS	00290	04.61	34.79	27.57		1473.9							
	STD	00300	04.71	34.82	27.59	00.327	1474.5							
	OBS	00300	04.71	34.82	27.59		1474.5							
	OBS	00310	04.67	34.82	27.59		1474.5							
	OBS	00317	04.67	34.82	27.59		1474.6							
	OBS	00330	04.72	34.84	27.60		1475.1							
	OBS	00350	04.73	34.87	27.62		1475.5							
	OBS	00360	04.78	34.88	27.63		1475.9							
	OBS	00390	04.68	34.88	27.64		1476.0							
	STD	00400	04.77	34.92	27.66	00.379	1476.5							
	OBS	00400	04.77	34.92	27.66		1476.5							
	OBS	00410	04.85	34.93	27.66		1477.1							
	OBS	00460	04.88	34.95	27.67		1478.0							
	OBS	00470	04.98	34.98	27.68		1478.6							
	STD	00500	04.86	34.96	27.68	00.427	1478.6							
	OBS	00500	04.86	34.96	27.68		1478.6							
	STD	00600	04.43	34.92	27.70	00.475	1478.4							
	OBS	00600	04.43	34.92	27.70		1478.4							
	OBS	00620	04.36	34.92	27.71		1478.5							
	OBS	00650	04.40	34.93	27.71		1479.2							
	STD	00700	04.42	34.95	27.72	00.521	1480.1							
	OBS	00700	04.42	34.95	27.72		1480.1							
	OBS	00730	04.04	34.90	27.72		1478.9							
	OBS	00773	04.11	34.93	27.74		1480.0							
	OBS	00783	04.06	34.93	27.75		1480.0							
	STD	00800	04.10	34.93	27.74	00.566	1480.4							
	OBS	00800	04.10	34.93	27.74		1480.4							
	OBS	00811	04.04	34.92	27.74		1480.3							
	OBS	00860	04.02	34.93	27.75		1481.1							
	OBS	00872	04.05	34.93	27.75		1481.6							
	STD	00900	04.08	34.94	27.75	00.610	1482.0							
	OBS	00900	04.08	34.94	27.75		1482.0							
	OBS	00940	04.06	34.94	27.75		1482.6							
	OBS	00955	04.10	34.94	27.75		1483.0							
	STD	01000	04.04	34.94	27.76	00.655	1483.5							
	OBS	01000	04.04	34.94	27.76		1483.5							
	OBS	01015	04.01	34.94	27.76		1483.6							
	STD	01100	04.01	34.94	27.76	00.700	1485.0							
	OBS	01100	04.01	34.94	27.76		1485.0							
	OBS	01140	04.00	34.93	27.75		1485.7							
	OBS	01150	03.93	34.93	27.76		1485.5							
	STD	01200	03.90	34.93	27.76	00.745	1486.2							
	OBS	01200	03.90	34.93	27.76		1486.2							
	OBS	01220	03.90	34.93	27.76		1486.6							
	OBS	01245	03.86	34.93	27.77		1486.8							
	OBS	01250	03.88	34.94	27.77		1487.0							
	STD	01300	03.90	34.94	27.77	00.791	1487.9							
	OBS	01300	03.90	34.94	27.77		1487.9							
	OBS	01370	03.88	34.94	27.77		1489.0							
	STD	01400	03.73	34.92	27.77	00.837	1488.9							
	OBS	01400	03.73	34.92	27.77		1488.9							
	OBS	01460	03.70	34.92	27.78		1489.8							
	OBS	01480	03.74	34.93	27.78		1490.3							
	STD	01500	03.71	34.93	27.78	00.883	1490.5							
	OBS	01500	03.71	34.93	27.78		1490.5							

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TABLE III. USCGC CHASE, August–September, 1977.—Continued

NOOC STATION DATA

REFID 31 8458	YEAR 1975	BOTOM 03200	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 09	SHIP 51	WET BULB 18.3	00 0 X	WIND-SPD 05	TRACE DIR 0	9 SQUARE 2
LAT 43 51.5N	DAY 02	DATA USE 1	BAROMETR 1021.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 24
LONG 045 11.0W	HOUR 07.2	AREA 05	CLOUD 7/A	CL/TR	WEATHER A0	ORIG 43 06408	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYC	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.92	34.29	24.52	00.000	1516.3							
07.2	OBS	00000	18.92	34.29	24.52		1518.3							
	STD	00010	20.12	34.69	24.51	00.034	1522.3							
	OBS	00010	20.12	34.69	24.51		1522.3							
	STD	00020	16.55	35.24	25.82	00.062	1512.8							
	OBS	C0020	16.55	35.24	25.82		1512.8							
	OBS	00025	14.97	35.13	26.10		1507.9							
	STD	00030	15.18	35.49	26.33	00.082	1509.1							
	OBS	00030	15.18	35.49	26.33		1509.1							
	OBS	00048	14.23	35.57	26.60		1506.4							
	STD	00050	14.83	35.81	26.65	00.113	1508.7							
	OBS	00050	14.83	35.81	26.65		1508.7							
	OBS	00070	14.62	35.80	26.69		1508.3							
	STD	00075	14.71	35.85	26.71	00.148	1508.7							
	OBS	00075	14.71	35.85	26.71		1508.7							
	STD	00100	14.16	35.75	26.75	00.182	1507.3							
	OBS	00100	14.16	35.75	26.75		1507.3							
	STD	00125	13.58	35.66	26.82	00.214	1505.7							
	OBS	00125	13.58	35.68	26.82		1505.7							
	STD	00150	13.09	35.59	26.85	00.246	1504.4							
	OBS	00150	13.09	35.59	26.85		1504.4							
	OBS	00178	11.87	35.38	26.93		1500.4							
	OBS	00182	11.92	35.42	26.95		1500.7							
	STD	C0200	11.56	35.33	26.95	00.306	1499.6							
	OBS	00200	11.56	35.33	26.95		1499.6							
	OBS	00229	10.58	35.15	26.99		1496.4							
	OBS	00231	10.66	35.18	27.00		1496.8							
	STD	00250	10.21	35.12	27.03	00.363	1495.4							
	OBS	00250	10.21	35.12	27.03		1495.4							
	OBS	00270	09.37	35.00	27.08		1492.5							
	OBS	00275	09.40	35.02	27.09		1492.7							
	STD	00300	08.01	34.84	27.17	00.414	1487.7							
	OBS	00300	08.01	34.84	27.17		1487.7							
	OBS	00315	07.70	34.77	27.16		1486.6							
	OBS	00335	09.55	35.20	27.20		1494.5							
	OBS	C0370	08.76	35.10	27.23		1492.0							
	STD	00400	07.64	34.88	27.25	00.507	1488.0							
	OBS	00400	07.64	34.88	27.25		1488.0							
	OBS	00455	06.45	34.84	27.39		1484.1							
	STD	00500	05.24	34.66	27.40	00.590	1479.8							
	OBS	00500	05.24	34.66	27.40		1479.8							
	OBS	00510	05.10	34.68	27.43		1479.4							
	OBS	00540	06.25	34.98	27.53		1484.9							
	OBS	C0580	05.42	34.87	27.54		1482.1							
	STD	00600	05.42	34.92	27.58	00.657	1482.5							
	OBS	00600	05.42	34.92	27.58		1482.5							
	OBS	00610	05.39	34.92	27.59		1482.6							
	OBS	C0620	05.47	34.96	27.61		1483.1							
	OBS	C0670	04.73	34.88	27.63		1480.8							
	STD	00700	04.75	34.91	27.65	00.713	1481.4							
	OBS	0C700	04.75	34.91	27.65		1481.4							
	OBS	00765	04.59	34.99	27.69		1483.6							
	STD	00800	04.67	34.94	27.69	00.764	1482.8							
	OBS	00800	04.67	34.94	27.69		1482.8							
	OBS	00820	04.52	34.93	27.70		1482.5							
	OBS	00845	04.54	34.94	27.70		1483.0							
	STD	C0900	04.41	34.95	27.72	00.813	1483.4							
	OBS	00900	04.41	34.95	27.72		1483.4							
	OBS	00910	04.46	34.96	27.73		1483.8							
	STD	01000	04.28	34.95	27.74	00.861	1484.5							
	OBS	01000	04.28	34.95	27.74		1484.5							
	STD	01100	04.09	34.94	27.75	00.907	1485.4							
	OBS	01100	04.09	34.94	27.75		1485.4							
	OBS	01115	04.07	34.94	27.75		1485.5							
	OBS	01125	04.13	34.95	27.75		1486.0							
	STD	01200	04.03	34.93	27.75	00.954	1486.8							
	OBS	C1200	04.03	34.93	27.75		1486.8							
	OBS	01235	03.93	34.91	27.74		1486.5							
	OBS	01250	03.78	34.90	27.75		1486.5							
	OBS	01268	03.75	34.91	27.76		1486.7							
	OBS	01274	03.79	34.91	27.76		1487.0							
	OBS	01290	03.72	34.90	27.76		1486.9							
	STD	01300	03.73	34.89	27.75	01.001	1487.1							
	OBS	01300	03.73	34.89	27.75		1487.1							
	OBS	C1331	03.77	34.91	27.76		1487.9							
	STD	01400	03.71	34.91	27.77	01.048	1488.8							
	OBS	01400	03.71	34.91	27.77		1488.8							
	STD	01500	03.74	34.92	27.77	01.095	1490.6							
	OBS	01500	03.74	34.92	27.77		1490.6							

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TABLE III.   USCGC CHASE, August–September, 1977.—Continued

NODC   STATION   DATA

REFIC 31 8458	YEAR 1575	BCTOP 04303	AIR TEMP 22.8	DIR HGT PER	WIND-DIR 27	INST STO RECORDER	TEN SQ 1306
CONSEC 0CO7	MONTH 09	SHIP E1	WET BULB 21.8	18 5 3	WIND-SPD 15	TRACE 01R C	5 SQUARE 2
LAT 44 03.5N	DAY 02	DATA USE 1	BAROMETR 1024.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 44
LONG 045 49.0N	HOUR 11.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A3 06407	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	21.87	35.71	24.81	00.000	1527.9							
11.1	OBS	00000	21.87	35.71	24.81		1527.9							
	STO	00010	21.85	35.69	24.80	00.032	1528.0							
	OBS	00010	21.85	35.69	24.80		1528.0							
	STO	C0020	17.68	35.80	25.98	00.056	1516.8							
	OBS	00020	17.68	35.80	25.96		1516.8							
	STO	00030	17.58	35.93	26.10	00.077	1518.9							
	OBS	00030	17.58	35.93	26.10		1516.9							
	STO	00050	15.88	36.10	26.64	00.111	1512.3							
	OBS	00050	15.88	36.10	26.64		1512.3							
	STO	00075	14.86	35.88	26.70	00.144	1509.3							
	OBS	00075	14.86	35.88	26.70		1509.3							
	STO	00100	14.09	35.77	26.78	00.179	1507.1							
	OBS	00100	14.09	35.77	26.78		1507.1							
	STO	00125	13.56	35.67	26.81	00.212	1505.6							
	OBS	00125	13.56	35.67	26.81		1505.6							
	STO	00150	12.76	35.59	26.92	00.243	1503.3							
	OBS	00150	12.76	35.59	26.92		1503.3							
	OBS	00183	12.19	35.48	26.94		1501.7							
	OBS	00188	12.24	35.51	26.96		1502.0							
	STO	00200	11.97	35.47	26.58	00.301	1501.2							
	OBS	C0200	11.97	35.47	26.58		1501.2							
	STO	00250	10.80	35.34	27.10	00.355	1497.8							
	OBS	00250	10.80	35.34	27.10		1497.8							
	OBS	00282	08.82	34.93	27.14		1489.8							
	OBS	00295	08.67	34.97	27.17		1490.3							
	STO	C0300	08.62	34.95	27.16	00.405	1490.1							
	OBS	00300	08.62	34.95	27.16		1490.1							
	OBS	00307	08.34	34.93	27.19		1489.2							
	OBS	00322	08.80	35.02	27.19		1491.3							
	OBS	00360	05.47	34.52	27.28		1478.2							
	OBS	00380	07.12	34.78	27.25		1485.5							
	STO	00400	06.39	34.78	27.35	00.494	1482.9							
	C85	00400	06.39	34.78	27.35		1482.9							
	OBS	00425	05.34	34.66	27.39		1478.9							
	OBS	00435	05.79	34.82	27.46		1481.1							
	OBS	00445	05.86	34.82	27.45		1481.6							
	OBS	00457	06.03	34.86	27.46		1482.5							
	OBS	00488	05.74	34.90	27.53		1481.9							
	STO	00500	05.73	34.90	27.53	00.565	1482.1							
	OBS	00500	05.73	34.90	27.53		1482.1							
	OBS	00520	05.54	34.89	27.54		1481.8							
	OBS	00537	05.69	34.96	27.58		1482.6							
	OBS	00550	05.55	34.94	27.58		1482.2							
	OBS	00556	05.71	35.00	27.61		1483.1							
	OBS	00570	05.58	34.99	27.62		1482.8							
	OBS	00587	05.23	34.94	27.62		1481.5							
	STO	00600	05.41	34.98	27.63	00.624	1482.6							
	OBS	00600	05.41	34.98	27.63		1482.6							
	OBS	00606	05.52	35.02	27.65		1483.2							
	OBS	00625	05.26	34.96	27.63		1482.3							
	OBS	00660	04.88	34.94	27.66		1481.3							
	OBS	00680	04.76	34.94	27.68		1481.2							
	OBS	00690	04.71	34.95	27.69		1481.1							
	STO	00700	04.72	34.95	27.69	00.676	1481.3							
	OBS	00700	04.72	34.95	27.69		1481.3							
	OBS	00726	04.75	34.96	27.69		1481.9							
	OBS	00745	04.70	34.96	27.70		1482.0							
	OBS	00760	04.75	34.98	27.71		1482.5							
	OBS	00770	04.70	34.98	27.72		1482.5							
	OBS	00778	04.71	34.98	27.71		1482.6							
	STO	00800	04.61	34.97	27.72	00.725	1482.6							
	OBS	00800	04.61	34.97	27.72		1482.6							
	OBS	00845	04.41	34.56	27.73		1482.5							
	OBS	00865	04.37	34.96	27.74		1482.6							
	OBS	00875	04.40	-34.56	27.73		1482.9							
	OBS	00895	04.24	34.93	27.73		1482.6							
	STO	00900	04.23	34.94	27.74	00.772	1482.6							
	OBS	00900	04.23	34.94	27.74		1482.6							
	OBS	00915	04.27	34.95	27.74		1483.1							
	OBS	00930	04.06	34.91	27.73		1482.4							
	OBS	00970	03.95	34.91	27.74		1482.6							
	OBS	00985	03.97	34.91	27.74		1482.9							
	OBS	00990	04.07	34.93	27.74		1483.4							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NOCC STATION DATA

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNODPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	01000	04.06	34.93	27.75	00.817	1483.6							.
	OBS	01000	04.06	34.93	27.75		1483.6							
	OBS	01025	04.06	34.92	27.74		1484.0							
	OBS	01040	03.95	34.92	27.75		1483.8							
	OBS	01060	03.94	34.92	27.75		1484.0							
	OBS	01065	03.97	34.92	27.75		1484.3							
	OBS	01095	03.97	34.92	27.75		1484.8							
	STO	01100	03.95	34.92	27.75	00.863	1484.8							
	OBS	01100	03.95	34.92	27.75		1484.8							
	OBS	01105	03.89	34.91	27.75		1484.6							
	OBS	01122	03.89	34.92	27.76		1484.9							
	OBS	01132	03.87	34.92	27.76		1485.0							
	OBS	01147	03.89	34.92	27.76		1485.3							
	OBS	01153	03.95	34.94	27.77		1485.7							
	OBS	01167	03.96	34.94	27.76		1485.9							
	STO	01200	03.89	34.92	27.76	00.910	1486.2							
	OBS	01200	03.89	34.92	27.76		1486.2							
	OBS	01237	03.79	34.92	27.77		1486.4							
	OBS	01275	03.95	34.94	27.77		1487.7							
	OBS	01285	03.92	34.95	27.78		1487.8							
	STO	01300	03.97	34.95	27.77	00.956	1488.2							
	OBS	01300	03.97	34.95	27.77		1488.2							
	OBS	01307	03.95	34.95	27.77		1488.3							
	OBS	01370	03.91	34.94	27.77		1489.1							
	OBS	01390	03.82	34.93	27.77		1489.1							
	STO	01400	03.80	34.93	27.77	01.002	1489.2							
	OBS	01400	03.80	34.93	27.77		1489.2							
	OBS	01433	03.79	34.93	27.77		1489.7							
	OBS	01455	03.83	34.94	27.78		1490.2							
	STO	01500	03.67	34.93	27.79	01.047	1490.3							
	OBS	01500	03.67	34.93	27.79		1490.3							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NCDC STATION DATA

PIFIC 31 0458	YEAR 1975	BOTDP 05658	AIR TEMP 22.8	OIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SG 1306
CONSEC 0008	MONTH 09	SHIP E1	WET BULB 20.8	18 8 4	WINC-SPD 25	TRACE DIR 0	5 SQUARE 2
LAT 44 06.0N	DAY 02	DATA USE 1	BAROMETR 1023.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 048 32.5W	HOUR 15.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	ORIG A3 06408	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	22.31	35.72	24.70	00.000	1529.1							
15.0	OBS	00000	22.31	35.72	24.70		1529.1							
	STD	00010	22.29	35.72	24.70	00.033	1529.2							
	OBS	00010	22.29	35.72	24.70		1529.2							
	STD	00020	22.12	35.84	24.84	00.064	1529.0							
	OBS	00020	22.12	35.84	24.84		1529.0							
	STD	00030	16.52	35.94	26.37	00.088	1513.7							
	OBS	00030	16.52	35.94	26.37		1513.7							
	OBS	00040	15.75											
	OBS	00045	16.30	36.10	26.54		1513.5							
	STD	00050	16.28	36.10	26.55	00.120	1513.5							
	OBS	00050	16.28	36.10	26.55		1513.5							
	STD	00075	15.27	35.92	26.64	00.157	1510.6							
	OBS	00075	15.27	35.92	26.64		1510.6							
	OBS	00090	14.76	35.89	26.73		1509.2							
	STD	00100	14.67	35.89	26.75	00.192	1509.1							
	OBS	00100	14.67	35.89	26.75		1509.1							
	STD	00125	14.07	35.74	26.76	00.225	1507.4							
	OBS	00125	14.07	35.74	26.76		1507.4							
	STD	00150	13.10	35.64	26.89	00.257	1504.5							
	OBS	00150	13.10	35.64	26.89		1504.5							
	OBS	00170	12.85	35.61	26.91		1503.9							
	STD	00200	12.46	35.50	26.91	00.318	1503.0							
	OBS	00200	12.46	35.50	26.91		1503.0							
	OBS	00232	11.95	35.47	26.98		1501.7							
	OBS	00243	11.97	35.50	27.00		1502.0							
	STD	00250	11.93	35.50	27.01	00.376	1502.0							
	OBS	00250	11.93	35.50	27.01		1502.0							
	STD	00300	10.90	35.36	27.09	00.430	1499.0							
	OBS	00300	10.90	35.36	27.09		1456.0							
	OBS	00365	09.33	35.15	27.20		1464.1							
	OBS	00370	09.42	35.18	27.21		1494.6							
	OBS	00381	09.06	35.14	27.24		1493.4							
	OBS	00390	09.15	35.20	27.27		1493.9							
	STD	00400	09.02	35.18	27.28	00.527	1493.6							
	OBS	00400	09.02	35.18	27.28		1493.6							
	OBS	00473	07.46	35.04	27.41		1488.7							
	STD	00500	07.14	35.04	27.45	00.608	1487.9							
	OBS	00500	07.14	35.04	27.45		1487.9							
	OBS	00520		34.90			--							
	OBS	00530		35.06										
	OBS	00540	06.64	35.04	27.52		1486.6							
	OBS	00552	06.73	35.06	27.52		1487.1							
	OBS	00560	05.30	34.83	27.53		1481.6							
	OBS	00565	05.38	34.86	27.56		1482.0							
	STD	00600	05.12	34.85	27.56	00.674	1481.2							
	OBS	00600	05.12	34.85	27.56		1481.2							
	OBS	00615	05.46	34.94	27.59		1482.9							
	OBS	00640	05.42	34.95	27.61		1483.2							
	OBS	00670	04.66	34.84	27.61		1480.4							
	OBS	00678	04.84	34.90	27.64		1481.4							
	OBS	00650	04.82	34.89	27.63		1481.5							
	STD	00700	04.63	34.89	27.65	00.731	1480.9							
	OBS	00700	04.63	34.89	27.65		1480.9							
	OBS	00717	04.41	34.84	27.64		1480.2							
	OBS	00736	04.74	34.92	27.66		1482.0							
	OBS	00748	04.75	34.92	27.66		1482.2							
	OBS	00760	04.42	34.88	27.67		1481.3							
	OBS	00789	04.36	34.92	27.68		1482.1							
	STD	00800	04.47	34.91	27.69	00.782	1481.9							
	OBS	00800	04.47	34.91	27.69		1481.9							
	OBS	00820	04.80	34.99	27.71		1483.7							
	OBS	00821	04.87	34.98	27.72		1483.2							
	OBS	00837	04.91	35.01	27.71		1484.3							
	OBS	00847	04.76	34.96	27.72		1484.0							
	OBS	00860	04.83	34.99	27.71		1484.5							
	OBS	00890	04.70	34.99	27.72		1484.5							
	STD	00900	04.72	35.00	27.73	00.831	1484.7							
	OBS	00900	04.72	35.00	27.73		1484.7							
	OBS	00960	04.50	34.96	27.72		1484.8							
	STD	01000	04.43	34.96	27.73	00.875	1485.1							
	OBS	01000	04.43	34.96	27.73		1485.1							
	OBS	01050	04.18	34.93	27.73		1484.9							
	OBS	01055	04.24	34.95	27.74		1485.3							
	OBS	01050	04.14	34.94	27.74		1485.5							
	STD	01100	04.09	34.93	27.74	00.927	1485.4							
	OBS	01100	04.09	34.93	27.74		1485.4							
	OBS	01112	04.08	34.93	27.74		1485.5							
	OBS	01120	04.13	34.93	27.74		1485.9							
	OBS	01121	04.08	34.93	27.74		1485.7							
	OBS	01130	04.07	34.93	27.74		1485.9							
	OBS	01141	04.11	34.93	27.74		1486.1							
	OBS	01156	04.13	34.95	27.75		1486.5							
	OBS	01173	04.10	34.94	27.75		1486.6							
	STD	01200	04.04	34.94	27.76	00.974	1486.8							
	OBS	01200	04.04	34.94	27.76		1486.8							
	OBS	01273	03.92	34.94	27.77		1487.6							
	OBS	01250	03.97	34.94	27.76		1486.6							
	STD	01300	03.94	34.93	27.76	01.020	1488.1							
	OBS	01300	03.94	34.93	27.76		1488.1							
	STD	01400	03.88	34.93	27.76	01.068	1489.5							
	OBS	01400	03.88	34.93	27.76		1489.5							
	STD	01500	03.88	34.95	27.78	01.114	1491.2							
	OBS	01500	03.88	34.95	27.78		1491.2							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

FEFID 31 8458	YEAR 1975	BOTOP 03840	AIR TEMP 21.3	DIR PGT PER	WIND-DIR 15	INST STD RECORDER	TEN SO 1306
CONSEC 0335	MONTH 05	SHIP E1	WET BULB 16.8	15 3 5	WIND-SPD 25	TRACE DIR 0	5 SQUARE 2
LAT 44 14.5N	DAY 02	DATA USE 1	BARONETR 1020.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 11.5W	HOUR 16.8	AREA 05	CLOUD 7/6	CL/TR	WEATHER X1	ORIG A3 06405	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.8	STO	00000	21.61	35.14	24.45	00.000	1526.6							
	OBS	00000	21.61	35.14	24.45		1526.6							
	STO	00010	10.47	33.54	25.75	00.025	1450.4							
	OBS	00010	10.47	33.54	25.75		1450.4							
	OBS	00018	08.22	33.29	25.92		1481.8							
	STO	00020	11.47	34.54	26.35	00.048	1495.4							
	OBS	00020	11.47	34.54	26.35		1455.4							
	STO	00030	13.57	35.54	26.63	00.064	1505.2							
	OBS	00030	13.57	35.54	26.63		1505.2							
	STO	00050	13.14	35.52	26.79	00.091	1502.6							
	OBS	00050	13.14	35.52	26.79		1502.6							
	OBS	00059	12.93	35.47	26.79		1502.2							
	OBS	00061	13.06	35.50	26.79		1502.7							
	OBS	00070	12.80	35.46	26.81		1501.9							
	STO	00075	12.84	35.49	26.82	00.123	1502.2							
	OBS	00075	12.84	35.49	26.82		1502.2							
	OBS	00077	12.85	35.51	26.83		1502.4							
	OBS	00080	12.62	35.46	26.84		1501.5							
	OBS	00090	12.84	35.54	26.86		1502.5							
	STO	00100	12.57	35.51	26.89	00.154	1501.7							
	OBS	00100	12.57	35.51	26.89		1501.7							
	OBS	00106	12.35	35.48	26.90		1501.1							
	OBS	00115	12.64	35.54	26.90		1502.2							
	STO	00125	12.52	35.48	26.86 •	00.184	1501.9							
	OBS	00125	12.52	35.48	26.86		1501.5							
	STO	00150	11.35	35.34	26.99	00.213	1458.1							
	OBS	00150	11.35	35.34	26.99		1458.1							
	OBS	00161	10.58	35.18	27.01		1463.3							
	OBS	00180	10.24	35.15	27.05		1494.4							
	STO	00200	11.08	35.40	27.09	00.267	1458.0							
	OBS	00200	11.08	35.40	27.09		1458.0							
	STO	00250	05.88	35.21	27.16	00.317	1454.3							
	OBS	00250	05.86	35.21	27.16		1454.3							
	OBS	00275	08.28	34.99 P	27.240									
	OBS	00290	08.58	35.10	27.22		1451.5							
	STO	00300	08.73	35.08	27.24	00.363	1450.7							
	OBS	00300	08.73	35.08	27.24		1450.7							
	OBS	00340	08.33	35.10	27.32		1489.9							
	OBS	00346	07.70	35.01	27.35		1487.5							
	OBS	00351	07.58	35.07	27.35		1488.7							
	OBS	00375	07.53	35.02	27.38		1487.3							
	OBS	00385	07.54 P	34.94	27.320•									
	OBS	00390	07.24	34.96	27.37		1486.3							
	OBS	00395	07.36	35.06	27.44		1487.0							
	STO	00400	07.27	35.04	27.43	00.444	1486.7							
	OBS	00400	07.27	35.04	27.43		1486.7							
	OBS	00433	07.11	35.06	27.47		1486.7							
	STO	00500	06.34	35.05	27.57	00.511	1484.7							
	OBS	00500	06.34	35.05	27.57		1484.7							
	OBS	00540	05.82	34.99	27.55		1483.2							
	OBS	00550	06.00	35.02	27.59		1484.2							
	OBS	00585	04.61	34.84	27.61		1478.8							
	STO	00600	04.66	34.86	27.62	00.568	1479.3							
	OBS	00600	04.66	34.86	27.62		1479.3							
	OBS	00622	04.85	34.92	27.65		1480.7							
	OBS	00634	04.72	34.90	27.65		1480.2							
	OBS	00640	04.83	34.94	27.67		1480.8							
	OBS	00690	04.18	34.86	27.68		1478.8							
	STO	00700	04.25	34.88	27.69	00.620	1479.3							
	OBS	00700	04.25	34.88	27.69		1479.3							
	OBS	00713	04.48	34.92	27.69		1480.5							
	OBS	00735	04.47	34.53	27.70		1480.9							
	OBS	00786	04.78	35.00	27.72		1483.1							
	STO	00800	04.72	34.99	27.72	00.668	1483.1							
	OBS	00800	04.72	34.99	27.72		1483.1							
	STO	00900	04.54	34.98	27.73	00.715	1484.0							
	OBS	00900	04.54	34.98	27.73		1484.0							
	OBS	00962	04.19	34.95	27.75		1483.5							
	OBS	00990	04.24	34.95	27.74		1484.2							
	STO	01000	04.23	34.95	27.74	00.762	1484.3							
	OBS	01000	04.23	34.95	27.74		1484.3							
	OBS	01048	04.19	34.95	27.75		1484.55							
	STO	01100	03.99	34.93	27.75	00.808	1484.5							
	OBS	01100	03.99	34.93	27.75		1484.5							
	STO	01200	03.87	34.92	27.76	00.854	1486.1							
	OBS	01200	03.87	34.92	27.76		1486.1							
	STO	01300	03.78	34.92	27.77	00.900	1487.4							
	OBS	01300	03.78	34.92	27.77		1487.4							
	STO	01400	03.72	34.92	27.77	00.945	1488.8							
	OBS	01400	03.72	34.92	27.77		1488.8							
	OBS	01411	03.70	34.91	27.77		1488.9							
	OBS	01440	03.81	34.93	27.77		1489.9							
	OBS	01460	03.80	34.93	27.77		1490.2							
	OBS	01470	03.68	34.95	27.78		1490.7							
	STO	01500	03.64	34.94	27.78	00.992	1491.0							
	OBS	01500	03.64	34.94	27.78		1491.0							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

N O O C   S T A T I O N   D A T A

FSFID 31 8458	YEAR 1975	BOTOP 03715	AIR TEMP 21.6	DIR PGT PER	WIND-DIR 15	INST STO RECORDER	TEM SO 1306
CONSEC 0010	MONTH 09	SHIP E1	WET BULB 20.6	18 6 3	WIND-SPD 25	TRACE DIR 0	5 SQUARE 2
LAT 44 18.5N	DAY 02	DATA USE 1	BARCHETR 1018.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 33.5W	HOUR 21.2	AREA 05	CLOUD 7/A	CL/TR	WEATHER A1	ORIG A3 06410	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OXYDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
21.2	STO	00000	20.53	34.65	24.37	00.000	1523.2							
	OBS	00000	20.53	34.65	24.37		1523.2							
	OBS	00007	20.69	34.75	24.41		1523.8							
	STO	00010	18.77	34.82	24.96	00.033	1518.7							
	OBS	00010	18.77											
	STO	00020	16.76	35.02	25.61	00.060	1513.2							
	OBS	00020	16.76											
	OBS	00021	15.85											
	STO	00030	12.47	35.15	26.63	00.079	1499.8							
	OBS	00030	12.47											
	OBS	00035	12.68											
	STO	00050	12.19	35.19	26.72	00.107	1499.2							
	OBS	00050	12.19	35.19	26.72		1499.2							
	OBS	00060	10.65	35.10	26.94		1493.8							
	OBS	00070	11.49	35.28	26.92		1497.2							
	STO	00075	10.98	35.20	26.95	00.138	1495.4							
	OBS	00075	10.98	35.20	26.95		1495.4							
	OBS	00080	10.73	35.12	26.94		1494.5							
	OBS	00085	10.97	35.20	26.96		1495.5							
	STO	00100	10.45	35.07	26.95	00.162	1493.7							
	OBS	00100	10.65	35.07	26.95		1493.7							
	OBS	00105	10.59	35.10	26.95		1494.4							
	STO	00125	08.98	34.94	27.09	00.193	1488.6							
	OBS	00125	08.98	34.94	27.09		1488.6							
	OBS	00145	09.77	35.17	27.14		1492.1							
	STO	00150	09.56	35.14	27.16	00.217	1491.4							
	OBS	00150	09.56	35.14	27.16		1491.4							
	OBS	00158	09.03	35.04	27.16		1489.5							
	OBS	00172	09.47	35.18	27.20		1491.5							
	OBS	00178	09.41	35.16	27.20		1491.4							
	OBS	00181	09.53	35.19	27.20		1491.9							
	STO	00200	08.98	35.12	27.23	00.263	1490.1							
	OBS	00200	08.98	35.12	27.23		1490.1							
	OBS	00205	08.76	35.10	27.25		1489.3							
	OBS	00220	08.70	35.10	27.26		1489.3							
	OBS	00230	08.80	35.13	27.27		1489.9							
	OBS	00235	08.50	35.10	27.30		1488.8							
	STO	00250	08.09	35.03	27.30	00.306	1487.4							
	OBS	00250	08.09	35.03	27.30		1487.4							
	STO	00300	04.20	34.43	27.33	00.346	1471.9							
	OBS	00300	04.20	34.43	27.33		1471.9							
	OBS	00325	05.03	34.67	27.43		1476.0							
	OBS	00331	04.94	34.66	27.43		1475.8							
	OBS	00358	05.31	34.80	27.50		1477.9							
	OBS	00370	05.05	34.77	27.51		1477.0							
	OBS	00350	05.83	34.88	27.50		1480.7							
	STO	00400	04.72	34.76	27.54	00.415	1476.1							
	OBS	00400	04.72	34.76	27.54		1476.1							
	OBS	00440	05.93	35.06	27.63		1482.1							
	STO	00500	04.70	34.90	27.65	00.470	1477.9							
	OBS	00500	04.70	54.90	27.65		1477.9							
	OBS	00510	04.66	34.89	27.65		1477.9							
	OBS	00528	04.82	34.92	27.65		1478.9							
	OBS	00550	04.64	34.91	27.67		1478.5							
	OBS	00555	04.40	34.88	27.67		1477.5							
	OBS	00580	04.33	34.87	27.67		1477.6							
	OBS	00590	04.36	34.89	27.68		1477.9							
	STO	00600	04.34	34.89	27.68	00.520	1478.0							
	OBS	00600	04.34	34.89	27.68		1478.0							
	OBS	00610	04.19	34.86	27.68		1477.5							
	OBS	00625	04.33	34.90	27.69		1478.4							
	OBS	00640	04.25	34.89	27.69		1478.3							
	OBS	00655	04.27	34.91	27.71		1478.7							
	OBS	00660	04.48	34.96	27.72		1479.7							
	OBS	00670	04.35	34.93	27.71		1479.3							
	OBS	00675	04.46	34.96	27.73		1479.9							
	OBS	00685	04.41	34.94	27.72		1479.8							
	OBS	00695	04.41	34.96	27.73		1480.0							
	STO	00700	04.45	34.96	27.73	00.566	1480.2							
	OBS	00700	04.45	34.96	27.73		1480.2							
	OBS	00775	04.42	34.97	27.74		1481.4							
	STO	00800	04.56	35.00	27.75	00.611	1482.4							
	OBS	00800	04.56	35.00	27.75		1482.4							
	OBS	00820	04.56	35.00	27.75		1482.7							

TABLE III. USCGC CHASE, August–September, 1977.—Continued

N O O C   S T A T I O N   D A T A

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00860	04.39	34.98	27.75		1482.7							
	OBS	00880	04.35	34.98	27.73		1483.0							
	STD	00900	04.46	35.00	27.76	00.656	1483.7							
	OBS	00900	04.46	35.00	27.76		1483.7							
	STD	01000	04.04	34.94	27.76	00.701	1483.5							
	OBS	01000	04.04	34.94	27.76		1483.5							
	STD	01100	03.89	34.93	27.76	00.749	1484.5							
	OBS	01100	03.89	34.93	27.76		1484.5							
	STD	01200	03.74	34.92	27.77	00.790	1485.6							
	OBS	01200	03.74	34.92	27.77		1485.6							
	OBS	01213	03.74	34.91	27.76		1485.8							
	OBS	01230	03.68	34.89	27.75		1485.8							
	OBS	01250	03.74	34.92	27.77		1486.4							
	STD	01300	03.75	34.93	27.78	00.834	1487.3							
	OBS	01300	03.73	34.93	27.78		1487.3							
	OBS	01320	03.75	34.92	27.77		1487.6							
	OBS	01330	03.70	34.92	27.78		1487.6							
	OBS	01350	03.70	34.92	27.78		1487.9							
	OBS	01360	03.77	34.94	27.78		1488.4							
	OBS	01375	03.77	34.94	27.78		1488.6							
	OBS	01385	03.72	34.93	27.78		1488.6							
	STD	01400	03.72	34.93	27.78	00.875	1488.8							
	OBS	01400	03.72	34.93	27.78		1488.8							
	OBS	01435	03.68	34.93	27.75		1489.3							
	OBS	01450	03.75	34.94	27.79		1489.8							
	OBS	01465	03.76	34.94	27.78		1490.1							
	OBS	01475	03.65	34.92	27.78		1489.8							
	STD	01500	03.65	34.93	27.79	00.924	1490.2							
	OBS	01500	03.65	34.93	27.79		1490.2							

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TABLE III. USCGC CHASE, August–September, 1977.—Continued

NCOC STATION DATA

REFIO 31 0458	YEAR 1975	BCTOP 02576	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 13	INST STO RECORDER	TEN SO 1306
CONSEC 0011	MONTH 09	SHIP 21	WET BULB 18.9	08 8 3	WIND-SPO 20	TRACE DIR 0	5 SQUARE 2
LAT 44 22.0N	DAY 02	DATA USE 1	BARONETR 1018.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 52.5W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X9	ORIG A3 06411	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	18.77	33.67	24.08	00.000	1517.1							
23.6	OBS	00000	18.77	33.67	24.08		1517.1							
	STO	00010	18.84	33.67	24.07	00.038	1517.5							
	OBS	00010	18.84	33.67	24.07		1517.3							
	STO	00020	04.94	33.63	26.62	00.085	1469.3							
	OBS	00020	04.94											
	STO	00030	02.79	33.60	26.81	00.079	1460.3							
	OBS	00030	02.79											
	OBS	00046	01.34	33.34	26.87		1454.1							
	STO	00050	01.44	33.70	26.99	00.102	1454.8							
	OBS	00050	01.44	33.70	26.99		1454.8							
	OBS	00051	02.06	33.78	27.01		1457.7							
	OBS	00070	03.86	34.14	27.14		1466.3							
	OBS	00072	03.32	34.06	27.13		1463.9							
	STO	00075	03.44	34.12	27.16	00.126	1464.5							
	OBS	00075	03.44	34.12	27.18		1464.5							
	STO	00100	04.05	34.28	27.23	00.149	1467.7							
	OBS	00100	04.05	34.28	27.23		1467.7							
	OBS	00108	04.19	34.30	27.23		1468.5							
	OBS	00120	03.54	34.22	27.23		1465.8							
	STO	00125	03.74	34.28	27.26	00.170	1466.8							
	OBS	00125	03.74	34.28	27.26		1466.8							
	STO	00150	04.54	34.49	27.34	00.190	1470.9							
	OBS	00150	04.54	34.49	27.34		1470.9							
	OBS	00136	04.89	34.54	27.35		1472.5							
	OBS	00170	04.00	34.40	27.33		1468.8							
	OBS	00178	04.23	34.49	27.38		1470.1							
	OBS	00181	04.03	34.44	27.36		1469.2							
	OBS	00190	05.01	34.63	27.42		1473.7							
	STO	00200	05.04	34.66	27.42	00.226	1474.0							
	OBS	00200	05.04	34.66	27.42		1474.0							
	OBS	00208	05.19	34.70	27.44		1474.8							
	OBS	00218	04.89	34.64	27.42		1473.7							
	OBS	00228	05.01	34.69	27.45		1474.4							
	OBS	00233	04.96	34.88	27.45		1474.3							
	OBS	00238	05.02	34.69	27.45		1474.6							
	OBS	00246	04.37	34.60	27.45		1471.9							
	STO	00250	04.61	34.70	27.50	00.258	1473.1							
	OBS	00250	04.61	34.70	27.50		1473.1							
	OBS	00275	05.08	34.76	27.50		1475.5							
	OBS	00290	04.79	34.74	27.51		1474.6							
	STO	00300	05.18	34.88	27.58	00.288	1476.5							
	OBS	00300	05.18	34.88	27.58		1476.5							
	OBS	00310	06.17	35.05	27.59		1480.9							
	OBS	00318	06.15	35.04	27.59		1481.0							
	OBS	00321	06.22	35.06	27.59		1481.3							
	OBS	00340	06.13	35.04	27.59		1481.2							
	OBS	00370	05.17	34.91	27.61		1477.7							
	STO	00400	04.88	34.88	27.62	00.342	1476.9							
	OBS	00400	04.88	34.88	27.62		1476.9							
	OBS	00406	04.68	34.86	27.62		1476.2							
	OBS	00420	04.80	34.90	27.64		1477.0							
	OBS	00432	05.16	34.98	27.68		1478.8							
	OBS	00441	05.15	34.97	27.66		1478.9							
	OBS	00455	04.67	34.89	27.65		1477.0							
	OBS	00470	04.48	34.88	27.66		1476.4							
	OBS	00493	05.12	35.02	27.70		1479.7							
	STO	00500	05.10	35.01	27.69	00.392	1479.7							
	OBS	00500	05.10	35.01	27.69		1479.7							
	OBS	00540	04.48	34.92	27.69		1477.7							
	OBS	00550	04.42	34.92	27.70		1477.6							
	OBS	00570	04.45	34.94	27.71		1478.1							
	OBS	00590	04.37	34.93	27.71		1478.0							
	STO	00600	04.36	34.93	27.71	00.438	1478.2							
	OBS	00600	04.36	34.93	27.71		1478.2							
	OBS	00620	04.36	34.94	27.72		1478.5							
	STO	00700	04.28	34.94	27.73	00.484	1479.5							
	OBS	00700	04.28	34.94	27.73		1479.5							
	OBS	00750	04.26	34.95	27.74		1480.3							
	STO	00800	04.11	34.95	27.76	00.527	1480.5							
	OBS	00800	04.11	34.95	27.76		1480.5							
	OBS	00840	03.96	34.93	27.76		1480.5							
	OBS	00850	03.96	34.93	27.76		1480.6							
	STO	00900	03.89	34.92	27.76	00.571	1481.2							
	OBS	00900	03.89	34.92	27.76		1481.2							
	OBS	00940	03.78	34.91	27.76		1481.4							
	OBS	00960	03.70	34.89	27.75		1481.3							
	STO	01000	03.78	34.92	27.77	00.614	1482.4							
	OBS	01000	03.78	34.92	27.77		1482.4							
	OBS	01010	03.83	34.93	27.77		1482.8							
	OBS	01046	03.81	34.93	27.77		1483.3							
	OBS	01057	03.71	34.91	27.77		1483.0							
	STO	01100	03.71	34.91	27.77	00.658	1483.7							
	OBS	01100	03.71	34.91	27.77		1483.7							
	STO	01200	03.66	34.91	27.77	00.702	1485.2							
	OBS	01200	03.66	34.91	27.77		1485.2							
	STO	01300	03.62	34.91	27.78	00.746	1486.7							
	OBS	01300	03.62	34.91	27.78		1486.7							
	STO	01400	03.61	34.91	27.78	00.791	1488.4							
	OBS	01400	03.61	34.91	27.78		1488.4							
	STO	01500	03.61	34.92	27.78	00.836	1490.0							
	OBS	01500	03.61	34.92	27.78		1490.0							

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TABLE III USCGC CHASE, August-September, 1977.—Continued

N O O C   S T A T I O N   C A T A

REFID 31 8458	YEAR 1975	BOTOP 03392	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SD 1306			
CONSEC 0012	MONTH 05	SHIP 21	WET BULB 19.9	08 8 3	WIND-SPD 25	TRACE DIA 0	5 SQUARE 2			
LAT 44 25.0N	DAY 03	DATA USE 1	BARCHETA 1018.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48			
LONG 048 06.5W	HOUR 03.1	AREA 05	CLOUD T/A	CL/TA	WEATHER X9	ORIG A3 06412	1 SQUARE 48			

CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	18.79	32.56	23.71	00.000	1510.0							
031.1	OBS	C0000	18.79	32.56	23.71		1510.0							
	STO	00013	06.43	32.80	25.78	00.032	1474.1							
	OBS	00010	06.43	32.80	25.78		1474.1							
	STO	00020	03.87	33.05	26.27	00.052	1464.0							
	OBS	00020	03.87	33.05	26.27		1464.0							
	STO	C0030	02.05	33.22	26.57	00.068	1456.5							
	OBS	0C030	02.05	33.22	26.57		1456.5							
	OBS	00035	01.44	33.58	26.90		1454.4							
	STO	00050	02.10	33.82	27.04	00.093	1457.9							
	OBS	00050	02.10	33.82	27.04		1457.9							
	STO	00075	04.29	34.20	27.14	00.118	1468.2							
	OBS	00075	04.29	34.20	27.14		1468.2							
	OBS	00080	03.57	34.16	27.14		1468.5							
	OBS	C0090	04.75	34.36	27.22		1470.6							
	OBS	00092	04.82	34.35	27.22		1470.1							
	STO	00100	04.71	34.38	27.22	00.140	1470.6							
	OBS	00100	04.71	34.3C	27.22		1470.6							
	OBS	00120	03.85	34.30	27.27		1467.3							
	STO	00125	04.24	34.38	27.27	00.162	1469.1							
	OBS	00125	04.24	34.3C	27.27		1469.1							
	OBS	C0140	05.74	34.69	27.36		1475.9							
	STO	00150	05.25	34.63	27.37	00.181	1474.0							
	OBS	00150	05.25	34.63	27.37		1474.0							
	OBS	00158	05.04	34.58	27.36		1473.2							
	OBS	00190	06.64	34.94	27.44		1480.7							
	STO	00200	06.57	34.92	27.44	00.216	1480.5							
	OBS	00200	06.57	34.92	27.44		1480.5							
	DES	00218	05.60	34.78	27.45		1476.8							
	OBS	00235	05.91	34.88	27.49		1478.4							
	STO	00250	05.40	34.84	27.52	00.249	1476.6							
	OBS	00250	C5.40	34.84	27.52		1476.6							
	STO	00300	05.18	34.86	27.56	00.278	1476.5							
	OBS	00300	05.18	34.86	27.56		1476.5							
	OBS	00325	05.05	34.86	27.58		1476.4							
	OBS	00330	05.10	34.87	27.58		1476.7							
	OBS	C0380	04.34	34.81	27.62		1474.3							
	OBS	00395	04.52	34.66	27.64		1475.3							
	STO	00400	04.36	34.85	27.65	00.331	1474.8							
	OBS	00400	04.36	34.85	27.65		1474.8							
	OBS	00402	04.52	34.87	27.65		1475.5							
	OBS	C0410	04.40	34.85	27.65		1475.1							
	OBS	00425	04.72	34.91	27.66		1476.7							
	OBS	00435	04.40	34.85	27.65		1475.5							
	OBS	00442	04.50	34.87	27.65		1476.1							
	OBS	00472	04.24	34.87	27.68		1475.5							
	STO	C0500	04.47	34.92	27.69	00.375	1477.0							
	OBS	00500	04.47	34.92	27.69		1477.0							
	OBS	00520	04.54	34.93	27.69		1477.6							
	OBS	00550	04.55	34.94	27.70		1478.1							
	OBS	00565	04.50	34.94	27.71		1478.2							
	STO	C0600	04.51	34.95	27.71	00.425	1478.8							
	OBS	00600	04.51	34.95	27.71		1478.8							
	OBS	00650	04.50	34.96	27.72		1479.6							
	STO	00700	04.40	34.96	27.73	00.470	1480.0							
	OBS	00700	04.40	34.96	27.73		1480.0							
	OBS	C0760	04.14	34.93	27.74		1479.9							
	STO	00800	04.21	34.95	27.75	00.515	1480.9							
	OBS	00800	04.21	34.95	27.75		1480.9							
	OBS	C0820	04.20	34.96	27.75		1481.2							
	OBS	00840	04.29	34.97	27.75		1481.9							
	STO	C0900	04.18	34.96	27.76	00.559	1482.4							
	OBS	00900	04.18	34.96	27.78		1482.4							
	OBS	C0960	04.04	34.95	27.76		1482.8							
	OBS	00970	03.96	34.94	27.76		1482.7							
	OBS	00980	04.02	34.95	27.77		1483.1							
	OBS	C0990	03.95	34.93	27.76		1482.9							
	STO	01000	03.98	34.94	27.78	00.603	1483.2							
	OBS	01000	03.98	34.94	27.76		1483.2							
	OBS	01020	03.86	34.92	27.76		1483.0							
	STO	01100	03.79	34.92	27.77	00.647	1484.1							
	OBS	01100	03.79	34.92	27.77		1484.1							
	OBS	01160	03.75	34.92	27.77		1484.9							
	OBS	01180	03.71	34.91	27.77		1485.1							
	STO	01200	03.72	34.92	27.77	00.691	1485.5							
	OBS	01200	03.72	34.92	27.77		1485.5							
	OBS	01270	03.73	34.93	27.78		1486.7							
	OBS	C1280	03.75	34.94	27.78		1487.1							
	STO	01300	03.77	34.94	27.78	00.735	1487.4							
	OBS	01300	03.77	34.94	27.78		1487.4							
	STO	01400	03.77	34.94	27.78	00.780	1489.1							
	OBS	01400	03.77	34.94	27.78		1489.1							
	OBS	C1430	03.77	34.94	27.78		1485.6							
	OBS	01440	03.70	34.93	27.78		1486.4							
	STO	C1500	03.65	34.93	27.79	00.825	1490.2							
	OBS	01500	03.65	34.93	27.79		1490.2							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIC 31 8458	YEAR 1975	BOTOP 03178	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 16	INST STD RECORDER	TEN SQ 1306
CONSEC 0013	MONTH 09	SHIP E1	WET BULB 19.9	08 8 4	WIND-SPD 15	TRACE DIR 0	S SQUARE 2
LAT 44 28.0N	DAY 03	DATA USE 1	BARGMETR 1018.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 20.5W	HOUR 04.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A3 06413	1 SQUARE 48

CASTNUM/TIME	LVLTYP	CEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	15.21	33.74	24.98	00.000	1506.5							
04.5	OBS	00000	15.21	33.74	24.98		1506.5							
	STD	00010	15.11	33.74	25.00	CC.030	1506.4							
	OBS	00010	15.11	33.74	25.00		1506.4							
	STD	00020	06.81	33.64	26.40	00.053	1476.8							
	OBS	00020	06.81	33.64	26.40		1476.8							
	STD	00030	02.81	33.49	26.72	00.068	1460.2							
	OBS	00030	02.81	33.49	26.72		1460.2							
	OBS	00040	01.66	33.42	26.75		1455.3							
	STD	00050	05.21	34.14	26.99	00.092	1471.6							
	OBS	00050	05.21	34.14	26.99		1471.6							
	OBS	C0060	06.32	34.39	27.05		1476.5							
	STD	00075	05.36	34.34	27.13	00.117	1472.8							
	OBS	00075	05.36	34.34	27.13		1472.8							
	OBS	00079	05.11	34.32	27.15		1471.9							
	OBS	00093	05.97	34.58	27.25		1475.9							
	OBS	00097	05.55	34.50	27.24		1474.2							
	STD	00100	05.72	34.54	27.25	00.140	1475.0							
	OBS	C0100	05.72	34.54	27.25		1475.0							
	OBS	00110	06.56	34.71	27.27		1478.7							
	OBS	00121	05.20	34.52	27.29		1473.2							
	STD	00125	05.12	34.59	27.36	00.160	1473.0							
	OBS	00125	05.12	34.59	27.36		1473.0							
	OBS	C0130	04.98	34.57	27.36		1472.5							
	OBS	00148	06.25	34.84	27.41		1478.3							
	STD	00150	06.04	34.78	27.39	00.178	1477.4							
	OBS	C0150	06.04	34.78	27.39		1477.4							
	OBS	00159	06.58	34.93	27.44		1475.9							
	STD	C0200	03.85	34.60	27.51	00.211	1469.0							
	OBS	00200	03.85	34.60	27.51		1469.0							
	OBS	00204	03.76	34.58	27.50		1468.6							
	OBS	00230	05.53	34.50	27.55		1476.8							
	OBS	00244	05.06	34.83	27.55		1475.0							
	STD	00250	C5.20	34.87	27.57	00.240	1475.8							
	OBS	00250	05.20	34.87	27.57		1475.8							
	OBS	00290	04.49	34.80	27.60		1473.4							
	STD	00300	04.50	34.81	27.60	00.267	1473.6							
	OBS	00300	04.50	34.81	27.60		1473.6							
	OBS	0C308	04.50	34.83	27.62	..	1473.8							
	OBS	00341	05.01	34.91	27.62		1476.5							
	OBS	00370	04.03	34.81	27.65		1472.8							
	OBS	00385	04.01	34.81	27.66		1473.0							
	OBS	00391	04.09	34.83	27.66		1473.4							
	STD	C0400	04.06	34.85	27.68	0C.317	1473.5							
	OBS	00400	04.06	34.85	27.68		1473.5							
	OBS	00450	04.56	34.93	27.69		1476.5							
	OBS	00465	C4.48	34.93	27.70		1476.4							
	OBS	00470	04.59	34.96	27.71		1477.0							
	OBS	C0480	04.56	34.94	27.70		1477.0							
	OBS	00498	04.60	34.96	27.71		1477.5							
	STD	00500	04.56	34.95	27.71	00.362	1477.4							
	OBS	C0500	04.56	34.95	27.71		1477.4							
	OBS	00510	04.59	34.96	27.71		1477.7							
	OBS	00520	04.50	34.95	27.71		1477.5							
	OBS	00550	04.51	34.95	27.71		1478.0							
	STD	00600	04.36	34.95	27.73	00.407	1478.2							
	OBS	00600	04.36	34.95	27.73		1478.2							
	OBS	03645	04.31	34.94	27.73		1478.7							
	OBS	00655	04.37	34.95	27.73		1479.1							
	STD	00700	04.10	34.93	27.74	00.450	1478.7							
	OBS	00700	04.10	34.93	27.74		1478.7							
	OBS	00710	04.17	34.95	27.75		1479.2							
	OBS	00730	04.15	34.94	27.74		1479.5							
	OBS	C0740	04.25	34.96	27.75		1480.1							
	OBS	00750	04.00	34.93	27.75		1479.8							
	STD	00800	04.00	34.93	27.75	00.494	1480.0							
	OBS	00800	04.00	34.93	27.75		1480.0							
	OBS	00803	04.06	34.95	27.76		1480.3							
	OBS	00830	04.09	34.95	27.76		1480.9							
	OBS	00850	04.01	34.94	27.76		1480.9							
	OBS	00868	04.01	34.93	27.75		1481.2							
	OBS	00885	03.83	34.92	27.76		1480.7							
	STD	00900	03.89	34.93	27.76	00.537	1481.2							
	OBS	C0900	03.89	34.93	27.76		1481.2							
	OBS	C0970	03.56	34.88	27.76		1480.9							
	OBS	00988	03.58	34.89	27.76		1481.3							
	OBS	00991	03.66	34.91	27.77		1481.7							
	STD	01000	03.66	34.90	27.76	00.580	1481.8							
	OBS	01000	03.66	34.90	27.76		1481.8							
	OBS	01080	03.44	34.87	27.76		1482.2							
	STD	01100	03.43	34.87	27.76	0C.623	1482.5							
	OBS	01100	03.43	34.87	27.76		1482.5							
	STD	01200	03.44	34.88	27.77	00.667	1484.2							
	OBS	01200	03.44	34.88	27.77		1484.2							
	STD	C1300	C3.44	34.89	27.78	00.710	1485.9							
	OBS	01300	03.44	34.89	27.78		1485.9							
	OBS	01350	03.49	34.89	27.77		1487.0							
	OBS	01385	03.49	34.89	27.77		1487.6							
	STD	01400	03.48	34.90	27.78	C0.754	1487.8							
	OBS	01400	03.48	34.90	27.78		1487.8							
	OBS	01450	03.52	34.91	27.79		1489.5							

TABLE III. USCGC CHASE, August-September, 1977.—Continued

NCDC STATION DATA

REFIC 31 0458	YEAR 1975	BOTOP 02277	AIR TEMP 14.3	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0014	MONTH 09	SHIP E1	WET BULB 13.5	08 7 4	WIND-SPD 10	TRACE DIR C	5 SQUARE 2
LAT 44 30.5N	DAY 03	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 36.0W	HOUR 06.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A3 06414	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	12.24	31.86	24.13	00.000	1494.4							
06.8	OBS	00000	12.24	31.86	24.13		1494.4							
	STD	00010	09.62	32.46	25.05	00.034	1485.9							
	OBS	00010	09.62	32.46	25.05		1485.9							
	STD	00020	05.62	32.64	25.76	00.059	1470.7							
	OBS	00020	05.62	32.64	25.76		1470.7							
	STD	00030	03.05	32.94	26.26	00.079	1463.5							
	OBS	00030	03.05	32.94	26.26		1460.5							
	OBS	00038	03.45	33.84	26.94		1463.6							
	OBS	00045	02.83	34.17	27.28		1460.6							
	STD	00050	02.81	34.22	27.30	00.105	1461.6							
	OBS	00050	02.81	34.22	27.30		1461.6							
	OBS	00058	02.60	34.25	27.34		1460.8							
	STD	00075	02.19	34.37	27.47	00.123	1459.5							
	OBS	00075	02.19	34.37	27.47		1459.5							
	OBS	00090	02.27	34.46	27.54		1460.2							
	STD	00100	02.44	34.51	27.57	00.137	1461.2							
	OBS	00100	02.44	34.51	27.57		1461.2							
	OBS	00115	02.80	34.54	27.56		1463.0							
	STD	00125	03.75	34.64	27.55	00.151	1467.4							
	OBS	00125	03.75	34.64	27.55		1467.4							
	OBS	00142	03.95	34.72	27.59		1468.6							
	STD	00150	03.90	34.71	27.59	00.164	1468.5							
	OBS	00150	03.90	34.71	27.59		1468.5							
	OBS	00160	03.82	34.70	27.59		1468.3							
	OBS	00175	03.25	34.64	27.60		1466.1							
	OBS	00190	03.57	34.76	27.66		1467.8							
	STD	00200	04.19	34.84	27.66	00.185	1470.7							
	OBS	00200	04.19	34.84	27.66		1470.7							
	OBS	00224	04.64	34.89	27.65		1473.1							
	STD	00250	04.47	34.87	27.65	00.212	1472.8							
	OBS	00250	04.47	34.87	27.65		1472.8							
	OBS	00259	04.58	34.90	27.67		1473.4							
	OBS	00278	04.46	34.89	27.67		1473.2							
	STD	00300	04.48	34.89	27.67	00.236	1473.7							
	OBS	00300	04.48	34.89	27.67		1473.7							
	OBS	00310	04.49	34.90	27.68		1473.9							
	OBS	00318	04.31	34.88	27.68		1473.2							
	OBS	00330	04.41	34.91	27.69		1473.9							
	OBS	00333	04.56	34.93	27.69		1474.6							
	OBS	00360	04.76	34.98	27.71		1475.9							
	OBS	00380	04.81	35.00	27.72		1476.5							
	OBS	00390	05.04	35.03	27.72		1477.6							
	STD	00400	04.96	35.01	27.71	00.281	1477.5							
	OBS	00400	04.96	35.01	27.71		1477.5							
	OBS	00460	04.53	34.96	27.72		1476.6							
	STD	00500	04.44	34.96	27.73	00.325	1476.9							
	OBS	00500	04.44	34.96	27.73		1476.9							
	OBS	00570	04.29	34.95	27.74		1477.4							
	OBS	00588	04.33	34.96	27.74		1477.9							
	STD	00600	04.29	34.96	27.74	00.368	1477.9							
	OBS	00600	04.29	34.96	27.74		1477.9							
	STD	00700	04.14	34.95	27.75	00.410	1478.9							
	OBS	00700	04.14	34.95	27.75		1478.9							
	OBS	00730	04.13	34.95	27.75		1479.4							
	OBS	00740	04.08	34.94	27.75		1479.3							
	OBS	00770	04.12	34.95	27.76		1480.0							
	STD	00800	04.02	34.95	27.77	00.452	1480.1							
	OBS	00800	04.02	34.95	27.77		1480.1							
	OBS	00840	03.87	34.93	27.77		1480.1							
	STD	00900	03.86	34.93	27.77	00.494	1481.1							
	OBS	00900	03.86	34.93	27.77		1481.1							
	STD	01000	03.78	34.92	27.77	00.537	1482.4							
	OBS	01000	03.78	34.92	27.77		1482.4							
	OBS	01060	03.63	34.90	27.77		1482.7							
	STD	01100	03.58	34.90	27.77	00.580	1483.2							
	OBS	01100	03.58	34.90	27.77		1483.2							
	OBS	01180	03.56	34.90	27.77		1484.4							
	STD	01200	03.53	34.90	27.78	00.624	1484.6							
	OBS	01200	03.53	34.90	27.78		1484.6							
	OBS	01258	03.51	34.90	27.78		1485.5							
	OBS	01270	03.54	34.91	27.78		1485.9							
	STD	01300	03.54	34.91	27.78	00.667	1486.4							
	OBS	01300	03.54	34.91	27.78		1486.4							
	STD	01400	03.52	34.91	27.79	00.711	1488.0							
	OBS	01400	03.52	34.91	27.79		1466.0							
	OBS	01450	03.51	34.91	27.79		1488.8							
	STD	01500	03.50	34.91	27.79	00.755	1489.6							
	OBS	01500	03.50	34.91	27.79		1489.6							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

FEFIO 31 8458	YEAR 1975	BOTOP 00622	AIR TEMP 13.9	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1308
CONSEC 0015	MONTH 09	SHIP E1	WET BULB 12.2	88 1 5	WIND-SPO 03	TRACE DIR 0	5 SQUARE 2
LAT 44 35.5N	DAY 03	DATA USE 1	BAROMETR 1020.0	SE4	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 048 53.0W	HOUR 10.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG A3 06415	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.34	32.24	25.08	00.000	1480.6							
10.5	OBS	00000	08.34	32.24	25.08		1480.6							
	STD	00010	00.38	32.60	26.17	00.024	1447.5							
	OBS	00010	00.38	32.60	26.17		1447.9							
	STD	00020	- 0.86	32.90	26.47	00.041	1442.6							
	OBS	00020	- 0.88	32.90	26.47		1442.6							
	STD	C0030	- 1.07	33.11	26.65	00.056	1442.2							
	OBS	00030	- 1.07	33.11	26.65		1442.2							
	OBS	00035	- 1.19	33.24	26.75		1441.5							
	STD	CC050	- 1.00	33.42	26.85	00.081	1443.3							
	OBS	00050	- 1.00	33.42	26.85		1443.3							
	STD	00075	- 0.84	33.51	26.96	00.110	1444.6							
	OBS	00075	- 0.84	33.51	26.56		1444.6							
	STD	00100	- 0.75	33.56	27.00	00.137	1445.5							
	OBS	C0100	- 0.75	33.56	27.00		1445.5							
	OBS	00110	- 0.67	33.59	27.02		1446.1							
	STD	00125	- 0.67	33.60	27.03	00.163	1446.3							
	OBS	00125	- 0.67	33.60	27.03		1446.3							
	OBS	00143	- 0.64	33.62	27.04		1446.8							
	STD	C0150	- 0.49	33.65	27.06	00.188	1447.6							
	OBS	00150	- 0.49	33.65	27.06		1447.6							
	OBS	00165	- 0.45	33.69	27.09		1448.1							
	OBS	00180	- 0.47	33.70	27.10		1448.3							
	OBS	00188	- 0.37	33.72	27.11		1448.9							
	OBS	0C195	- 0.34	33.73	27.12		1449.2							
	STD	00200	- 0.36	33.73	27.12	00.237	1449.2							
	OBS	00200	- 0.36	33.73	27.12		1449.2							
	OBS	00228	- 0.30	33.77	27.15		1450.0							
	STD	00250	- 0.12	33.81	27.17	00.283	1451.2							
	OBS	C0250	- 0.12	33.81	27.17		1451.2							
	OBS	00260	00.17	34.07	27.37		1453.4							
	STD	00300	01.52	34.36	27.52	00.320	1460.2							
	OBS	00300	01.52	34.38	27.52		1460.2							
	OBS	00305	01.61	34.40	27.53		1461.6							
	OBS	00325	01.99	34.47	27.57		1462.6							
	OBS	00333	02.10	34.47	27.56		1463.4							
	OBS	00350	02.12	34.48	27.57		1463.8							
	STD	00400	02.44	34.57	27.61	00.375	1466.2							
	OBS	00400	02.44	34.57	27.61		1466.2							
	OBS	00430	02.59	34.62	27.64		1467.4							
	OBS	00448	02.65	34.65	27.66		1468.2							

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FEFIO 31 8458	YEAR 1975	BOTOP 00058	AIR TEMP 12.8	DIR HGT PER	WIND-DIR 12	INST STC RECORDER	TEN SQ 1306
CONSEC 0016	MONTH 09	SHIP E1	WET BULB 11.7	21 2 2	WIND-SPO 02	TRACE DIR 0	5 SQUARE 2
LAT 44 38.0N	DAY 03	DATA USE 1	BAROMETR 1020.3	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 48
LONG 045 06.0W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG A3 06416	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.42	31.75	24.37	00.000	1487.8							
11.8	OBS	00000	10.42	31.75	24.37		1487.8							
	STD	00010	- 0.58	33.02	26.56	00.025	1444.0							
	OBS	00010	- 0.58	33.02	26.56		1444.0							
	STD	00020	- 0.74	33.06	26.59	00.040	1443.5							
	OBS	00020	- 0.74	33.06	26.59		1443.5							
	STD	00030	- 0.75	33.07	26.60	00.054	1443.6							
	OBS	C0030	- 0.75	33.07	26.60		1443.6							
	STD	00050	- 0.77	33.06	26.61	00.083	1443.9							
	OBS	00050	- 0.77	33.08	26.61		1443.5							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

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KEFID  31  8435    YEAR 1975    BOTOP 00070    AIR TEMP  18.1    OIR HGT PER    WIND-OIR 12    INST STO RECORDER    TEN SO 1307
CONSEC     0001    MONTH 09     SHIP E1        WET BULB  17.2    S2  S   4      WIND-SPD 02    TRACE OIR        0   5 SQUARE  5
LAT    43 10.0N    DAY   03     DATA USE  1    BARCMETR 1020.5   SEA            WIND-FOR       DURATION     00.0   2 SQUARE 20
LONG  050 21.0W    HOUR 19.9    AREA     05    CLOUD T/A         CL/TR          WEATHER XO     ORIG A4 03201        1 SQUARE 30
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CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	15.09	32.35	23.93	00.000	1504.4							
19.9	OBS	00000	15.09	32.35	23.93		1504.4							
	STO	C0010	07.55	32.65	25.52	00.032	1478.3							
	OBS	00010	07.55	32.65	25.52		1478.3							
	STO	00020	01.40	32.98	26.42	00.053	1453.2							
	OBS	00020	01.40	32.98	26.42		1453.2							
	STO	00030	00.36	33.05	26.54	00.068	1448.7							
	OBS	00030	00.36	33.05	26.54		1448.7							
	OBS	00043	00.22	33.11	26.59		1448.3							
	STO	C0050	00.17	33.11	26.60	00.098	1448.3							
	OBS	00050	00.17	33.11	26.60		1448.3							
	OBS	00052	00.15	33.13	26.61		1448.2							

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KEFID  31  8435    YEAR 1975    BOTOP 00084    AIR TEMP  18.1    OIR HGT PER    WIND-OIR 12    INST STO RECORDER    TEN SO 1307
CONSEC     0002    MONTH 09     SHIP E1        WET BULB  17.2    05  S   4      WIND-SPD 02    TRACE OIR        0   5 SQUARE  5
LAT    43 00.0N    DAY   03     DATA USE  1    BARCMETR 1020.5   SEA            WIND-FOR       DURATION     00.0   2 SQUARE 20
LONG  050 21.5W    HOUR 21.5    AREA     05    CLOUD T/A         CL/TR          WEATHER XO     ORIG A4 03202        1 SQUARE 30
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CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	14.77	32.42	24.06	00.000	1503.5							
21.5	OBS	00000	14.77	32.42	24.06		1503.5							
	STO	00010	06.80	32.61	25.55	00.031	1475.3							
	OBS	00010	06.80	32.61	25.55		1475.3							
	STO	00020	04.05	32.75	26.02	00.053	1464.4							
	OBS	00020	04.05	32.75	26.02		1464.4							
	STO	00030	00.55	32.90	26.41	00.072	1449.4							
	OBS	00030	00.55	32.90	26.41		1449.4							
	OBS	00040	- 0.26	33.00	26.33		1446.0							
	STO	00050	- 0.46	33.16	26.66	00.102	1445.4							
	OBS	00050	- 0.46	33.16	26.66		1445.4							
	OBS	00055	- 0.69	33.23	26.73		1444.8							
	OBS	00060	- 0.69	33.23	26.73		1444.6							
	OBS	00065	- 0.69	33.23	26.73		1444.7							

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KEFID  31  8435    YEAR 1975    BOTOP 00226    AIR TEMP  18.3    OIR HGT PER    WIND-OIR 14    INST STO RECORDER    TEN SO 1307
CONSEC     0003    MONTH 09     SHIP E1        WET BULB  17.2    18  6   7      WIND-SPD 03    TRACE OIR        0   5 SQUARE  1
LAT    42 50.0N    DAY   03     DATA USE  1    BAROMETR 1020.3   SEA            WIND-FOR       DURATION     00.1   2 SQUARE 20
LONG  050 18.0W    HOUR 22.5    AREA     05    CLOUD T/A         CL/TR          WEATHER XO     ORIG A4 03203        1 SQUARE 20
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CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	16.47	32.88	24.03	00.000	1509.4							
22.5	OBS	00000	16.47	32.88	24.03		1509.4							
	STO	00010	11.34	33.04	25.21	00.033	1492.9							
	OBS	C0010	11.34	33.04	25.21		1492.9							
	STO	00020	01.04	33.07	26.52	00.055	1451.7							
	OBS	00020	01.04	33.07	26.52		1451.7							
	STO	00030	00.30	33.22	26.68	00.069	1448.7							
	OBS	00030	00.30	33.22	26.68		1448.7							
	OBS	00045	- 0.64	33.30	26.78		1444.7							
	STO	00050	- 0.56	33.33	26.81	00.095	1445.2							
	OBS	00050	- 0.56	33.33	26.81		1445.2							
	OBS	00051	- 0.48	33.41	26.87		1445.7							
	OBS	00054	- 0.64	33.38	26.85		1445.0							
	OBS	C0060	- 0.48	33.46	26.91		1445.5							
	OBS	00062	- 0.76	33.43	26.89		1444.6							
	STO	00075	- 0.74	33.49	26.94	00.125	1445.0							
	OBS	00075	- 0.74	33.49	26.94		1445.0							
	STO	00100	- 0.28	33.70	27.09	00.151	1447.8							
	OBS	C0100	- 0.28	33.70	27.09		1447.8							
	STO	00125	00.07	33.82	27.17	00.175	1450.0							
	OBS	00125	00.07	33.82	27.17		1450.0							
	OBS	00140	02.84	34.08	27.15		1463.0							
	STO	00150	01.74	33.95	27.17	00.197	1458.1							
	OBS	00150	01.74	33.95	27.17		1458.1							
	OBS	00160	01.86	34.08	27.27		1459.0							
	OBS	00175	01.10	34.04	27.29		1455.8							
	OBS	00185	01.61	34.15	27.34		1458.4							
	OBS	00190	01.51	34.12	27.33		1458.0							
	OBS	00195	01.59	34.19	27.38		1458.6							

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Table III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFIO 31 8455	YEAR 1975	BOTOP 01422	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 14	INST STO RECORDER	TEN SO 1307
CONSEC 0004	MONTH 09	SHIP E1	WET BULE 17.2	18 6 6	WIND-SPO 02	TRACE DIR 0	5 SQUARE 1
LAT 42 40.5N	DAY 04	DATA USE 1	BAROMETR 1020.3	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 20
LONG 050 19.5W	HOUR 00.5	AREA 05	CLOUD T/A	CL/TR	WEATHER AJ	ORIG A4 03204	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	16.30	32.68	23.92	00.000	1508.6							
00.5	OBS	03030	16.30	32.68	23.92		1508.6							
	STO	00010	10.02	32.57	25.07	00.034	1487.5							
	OBS	00010	10.02	32.57	25.07		1487.5							
	STO	00020	06.87	32.59	25.55	00.061	1474.9							
	OBS	00020	06.67	32.59	25.59		1474.9							
	STD	00030	03.91	33.03	26.25	00.082	1464.3							
	OBS	C0030	03.91	33.03	26.25		1464.3							
	STO	00050	02.22	33.46	26.74	00.113	1457.9							
	OBS	00050	02.22	33.46	26.74		1457.9							
	OBS	00061	01.07	33.42	26.75		1453.0							
	OBS	000C9	00.71	33.38	26.78		1451.4							
	STO	00075	01.26	33.76	27.05	00.142	1454.5							
	OBS	00075	01.26	33.76	27.05		1454.5							
	STO	00100	01.42	33.82	27.09	00.167	1455.7							
	OBS	00100	01.42	33.82	27.09		1455.7							
	OBS	00115	01.56	33.97	27.20		1456.8							
	STO	00125	01.86	34.08	27.27	00.189	1458.4							
	OBS	00125	01.86	34.08	27.27		1458.4							
	OBS	00130	02.15	34.11	27.27		1459.8							
	STO	00150	02.27	34.16	27.30	00.210	1460.8							
	OBS	00150	02.27	34.18	27.30		1460.8							
	OBS	C0165	02.73	34.26	27.34		1463.1							
	STO	00200	G1.48	34.20	27.39	00.247	1458.2							
	OBS	00200	01.48	34.20	27.39		1458.2							
	STO	00250	01.80	34.34	27.48	00.280	1460.6							
	OBS	00250	01.80	34.34	27.48		1460.6							
	OBS	00285	01.97	34.41	27.52		1462.0							
	STO	00300	02.20	34.44	27.53	00.310	1463.3							
	OBS	00300	02.20	34.44	27.53		1463.3							
	OBS	00310	02.20	34.45	27.54		1463.5							
	OBS	00320	02.17	34.45	27.54		1463.5							
	OBS	C0345	02.39	34.52	27.58		1465.0							
	OBS	00360	02.39	34.55	27.60		1465.3							
	OBS	00390	02.93	34.63	27.62		1466.2							
	OBS	00395	02.79	34.66	27.65		1467.7							
	STC	00400	02.83	34.66	27.65	00.363	1468.0							
	OBS	00400	02.83	34.66	27.65		1468.0							
	OBS	00420	02.83	34.66	27.65		1468.3							
	OBS	00430	02.89	34.67	27.65		1468.8							
	OBS	C0440	02.85	34.68	27.67		1468.8							
	STO	00530	03.08	34.74	27.69	00.409	1470.8							
	OBS	C0500	03.08	34.74	27.69		1470.8							
	STO	00600	03.24	34.78	27.71	00.454	1473.2							
	OBS	00600	03.24	34.78	27.71		1473.2							
	OBS	00660	03.37	34.80	27.71		1474.6							
	STO	00700	03.27	34.79	27.71	00.458	1475.0							
	OBS	00700	03.27	34.79	27.71		1475.0							
	OBS	00770	03.32	34.82	27.73		1476.5							
	STD	00800	03.35	34.82	27.73	00.542	1477.1							
	OBS	00800	03.35	34.82	27.73		1477.1							
	STO	00900	03.35	34.84	27.75	00.566	1478.8							
	OBS	C0900	03.35	34.84	27.75		1478.8							
	STO	01000	03.35	34.84	27.75	00.625	1480.4							
	OBS	01000	03.35	34.84	27.75		1480.4							
	STO	01100	03.35	34.85	27.75	00.673	1482.1							
	OBS	01100	03.35	34.85	27.75		1482.1							
	STC	01200	03.35	34.85	27.75	00.718	1483.8							
	OBS	01200	03.35	34.85	27.75		1483.8							
	STO	01300	03.38	34.86	27.76	00.763	1485.6							
	OBS	01300	03.36	34.86	27.76		1485.6							
	OBS	01370	03.38	34.87	27.77		1486.8							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

RSFID 31 8459	YEAR 1975	BOTCP 02165	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 13	INST STO RECORDER	TEN SG 1307
CONSEC 0005	MONTH 05	SHIP E1	WET BULB 17.2	18 6 6	WIND-SPD 03	TRACE DIR 0	3 SQUARE 1
LAT 42 29.0N	DAY 04	DATA USE 1	BARCMETR 1020.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 20
LONG 050 19.0N	HOUR 02.4	AREA 05	CLCUD T/A	CL/TP	WEATHER 20	ORIG A4 03205	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	18.92	33.73	24.09	00.000	1517.6							
02.4	OBS	00000	18.92	33.73	24.09		1517.6							.
	OBS	00007	19.23	33.87	24.12		1518.8							
	STO	C0010	18.84	33.85	24.20	00.038	1517.7							
	OBS	00010	18.84	33.85	24.20		1517.7							
	OBS	00011	19.24	34.13	24.32		1519.2							
	OBS	00012	18.46	34.29	24.83		1517.2							
	STO	00020	19.50	34.64	24.64	00.073	1520.7							
	OBS	00020	19.50	34.64	24.64		1520.7							
	STO	00030	10.50	33.89	26.02	00.100	1491.3							
	OBS	00030	10.50	33.89	26.02		1491.3							
	STO	00050	12.67	35.33	26.73	00.133	1501.0							
	OBS	00050	12.67	35.33	26.73		1501.0							
	OBS	00055	13.20	35.48	26.74		1503.0							
	OBS	00060	13.03	35.44	26.75		1502.5							
	OBS	00070	13.55	35.64	26.79		1504.6							
	STO	00075	13.34	35.58	26.79	00.166	1504.0							
	OBS	00075	13.34	35.58	26.79		1504.0							
	STO	C0100	12.97	35.52	26.82	00.198	1503.1							
	OBS	00100	12.97	35.52	26.82		1503.1							
	OBS	00115	11.76	35.32	26.90		1498.9							
	OBS	00121	12.10	35.40	26.90		1500.3							
	STO	00125	12.00	35.39	26.91	00.228	1500.0							
	OBS	00125	12.00	35.39	26.91		1500.0							
	OBS	00145	11.32	35.25	26.93		1497.8							
	STO	00150	11.51	35.36	26.98	00.257	1498.7							
	OBS	00150	11.51	35.36	26.98		1498.7							
	OBS	00157	11.37	35.32	26.98		1498.3							
	OBS	C0160	11.45	35.35	26.98		1498.6							
	STO	00200	08.25	34.64	26.97	00.313	1486.7							
	OBS	00200	08.25	34.64	26.97		1486.7							
	OBS	00211	06.76	34.55	27.12		1481.0							
	OBS	00242	08.09	34.87	27.18		1487.1							
	OBS	00248	07.91	34.83	27.17		1486.4							
	STO	00250	08.00	34.84	27.17	00.365	1486.8							
	OBS	00250	08.00	34.84	27.17		1486.8							
	OBS	00270	06.57	34.62	27.20		1481.3							
	OBS	00292	08.80	35.09	27.24		1490.9							
	STO	00300	08.33	35.00	27.24	00.412	1489.1							
	OBS	00300	08.33	35.00	27.24		1489.1							
	OBS	00310	07.61	34.90	27.27		1486.4							
	OBS	00320	08.09	35.05	27.32		1488.6							
	OBS	00348	06.64	34.84	27.36		1483.1							
	OBS	00351	06.89	34.94	27.41		1484.3							
	OBS	00361	06.83	34.92	27.40		1484.2							
	OBS	00369	06.88	34.95	27.42		1484.6							
	STO	00400	03.60	34.48	27.44	00.491	1471.1							
	OBS	00400	03.60	34.48	27.44		1471.1							
	OBS	00421	02.78	34.41	27.46		1467.9							
	OBS	00433	03.72	34.56	27.49		1472.2							
	OBS	00441	03.27	34.52	27.50		1470.4							
	OBS	00450	04.01	34.66	27.54		1473.5							
	OBS	00459	03.78	34.62	27.53		1473.0							
	OBS	00461	03.82	34.64	27.54		1473.2							
	OBS	00470	03.75	34.63	27.54		1473.0							
	OBS	00475	03.82	34.64	27.54		1473.4							
	OBS	00450	03.46	34.62	27.56		1472.1							
	STO	00500	03.57	34.68	27.60	00.552	1472.8							
	OBS	C0500	03.57	34.68	27.60		1472.8							
	OBS	00510	03.82	34.72	27.60		1474.1							
	OBS	00530	03.91	34.79	27.65		1474.9							
	OBS	00550	04.84	34.94	27.67		1479.3							
	OBS	00550	04.09	34.84	27.67		1476.7							
	STO	00600	04.08	34.84	27.67	00.604	1476.9							
	OBS	00600	04.08	34.84	27.67		1476.9							
	OBS	00615	04.15	34.86	27.68		1477.4							
	OBS	00635	04.52	34.93	27.70		1479.4							
	OBS	00640	04.42	34.90	27.68		1479.0							
	OBS	00680	05.12	35.04	27.71		1482.8							
	STO	00700	05.14	35.04	27.71	00.652	1483.2							
	OBS	00700	05.14	35.04	27.71		1483.2							
	STO	00800	04.88	35.02	27.73	00.700	1483.6							
	OBS	00800	04.88	35.02	27.73		1483.6							
	OBS	C0870	04.06	34.91	27.73		1481.4							

TABLE III.   USCGC CHASE, August-September, 1977.—Continued

NOOC STATION DATA

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00890	04.04	34.51	27.73		1481.6							
	STD	00900	04.13	34.94	27.75	00.746	1482.2							
	OBS	C0900	04.13	34.94	27.75		1482.2							
	OBS	00920	04.20	34.95	27.75		1482.8							
	OBS	00940	04.20	34.95	27.75		1483.2							
	OBS	00970	04.34	34.53	27.76		1484.3							
	STD	01000	04.37	34.99	27.76	00.791	1484.9							
	OBS	C1000	04.37	34.99	27.76		1484.9							
	STD	01100	04.32	34.99	27.77	00.836	1486.4							
	OBS	01100	04.32	34.99	27.77		1486.4							
	OBS	01115	04.26	34.99	27.77		1486.4							
	OBS	01180	04.28	34.99	27.77		1487.2							
	STD	01200	04.23	34.98	27.77	00.882	1487.7							
	OBS	01200	04.23	34.98	27.77		1487.7							
	OBS	01215	04.09	34.96	27.77		1487.3							
	OBS	01221	04.17	34.99	27.78		1487.8							
	OBS	01250	04.17	34.98	27.77		1488.3							
	OBS	01270	03.76	34.91	27.76		1486.8							
	OBS	01290	03.88	34.94	27.77		1487.7							
	STD	01300	03.67	34.90	27.76	00.528	1486.9							
	OBS	01300	03.67	34.90	27.76		1486.9							
	OBS	01310	03.67	34.90	27.76		1487.1							
	OBS	01330	03.91	34.95	27.78		1488.5							
	OBS	01390	03.62	34.90	27.77		1488.2							
	STD	01400	03.75	34.93	27.78	00.574	1489.0							
	OBS	C1400	03.75	34.93	27.78		1489.0							
	OBS	01415	03.88	34.55	27.78		1489.8							
	OBS	01429	03.66	34.91	27.77		1489.0							
	OBS	01450	03.68	34.92	27.78		1489.5							
	OBS	01480	03.66	34.91	27.77		1489.6							
	OBS	01480	03.70	34.92	27.78		1490.1							
	OBS	01490	03.58	34.51	27.78		1489.7							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

ASFID 31 8455	YEAR 1975	BOTOP 02959	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 16	INST STC RECORDER	TEN SO 1307
CONSEC 000E	MONTH 09	SHIP E1	WET BULB 17.2	00 0 X	WIND-SPD 01	TRACE DIR 0	5 SQUARE 1
LAT 42 10.5N	DAY 04	DATA USE 1	BARCHETA 1018.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 20
LONG 050 20.0W	HOUR 05.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG A4 03206	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00030	21.27	34.96	24.41	00.000	1525.5							
05.0	OBS	00000	21.27	34.96	24.41		1525.5							
	STD	00010	21.66	35.24	24.51	00.035	1527.0							
	OBS	00010	21.68	35.24	24.51		1527.0							
	OBS	00011	21.80	35.34	24.55		1527.5							
	STD	00020	21.53	35.59	24.82	00.068	1527.2							
	OBS	00020	21.53	35.59	24.82		1527.2							
	STD	00030	18.68	35.65	25.62	00.095	1519.7							
	OBS	00030	18.66	35.65	25.62		1519.7							
	STD	00050	16.61	35.84	26.27	00.137	1514.2							
	OBS	00050	16.61	35.84	26.27		1514.2							
	OBS	00051	16.41	35.80	26.28		1513.6							
	OBS	00060	16.68	36.07	26.43		1514.9							
	STD	00075	15.80	35.95	26.54	00.178	1512.3							
	OBS	00075	15.80	35.95	26.54		1512.3							
	OBS	00081	15.50	35.91	26.58		1511.4							
	OBS	00089	15.65	35.98	26.60		1512.1							
	STD	00100	15.17	35.91	26.65	00.215	1510.7							
	OBS	00100	15.17	35.91	26.65		1510.7							
	STD	00125	14.55	35.77	26.68	00.251	1509.0							
	OBS	00125	14.55	35.77	26.68		1509.0							
	STD	00150	14.03	35.73	26.76	00.285	1507.6							
	OBS	00150	14.03	35.73	26.76		1507.6							
	STD	00200	13.24	35.66	26.87	00.349	1505.8							
	OBS	00200	13.24	35.66	26.87		1505.8							
	STD	00250	12.37	35.55	26.96	00.410	1503.5							
	OBS	00250	12.37	35.55	26.96		1503.5							
	OBS	00258	12.30	35.54	26.97		1503.4							
	OBS	00263	12.43	35.60	26.99		1504.0							
	STD	00300	11.63	35.44	27.02	00.467	1501.7							
	OBS	00300	11.63	35.44	27.02		1501.7							
	STD	00400	09.67	35.22	27.20	00.572	1496.0							
	OBS	00400	09.67	35.22	27.20		1496.0							
	STD	00500	07.91	35.08	27.37	00.660	1490.9							
	OBS	00500	07.91	35.08	27.37		1490.9							
	STD	00600	06.50	35.04	27.54	00.733	1487.0							
	OBS	00600	06.50	35.04	27.54		1487.0							
	OBS	00670	05.88	35.03	27.61		1485.7							
	OBS	00680	05.93	35.05	27.62		1486.1							
	STD	00700	05.78	35.05	27.64	00.793	1485.8							
	OBS	00700	05.78	35.05	27.64		1485.8							
	OBS	00725	05.67	35.04	27.65		1485.8							
	OBS	00735	05.45	35.01	27.65		1485.0							
	OBS	00750	05.41	35.00	27.65		1485.1							
	OBS	00755	05.28	35.00	27.66		1484.6							
	STD	00800	05.16	35.02	27.69	00.846	1484.9							
	OBS	00800	05.16	35.02	27.69		1484.9							
	OBS	00812	05.07	35.01	27.70		1484.7							
	OBS	00840	05.06	35.03	27.71		1485.2							
	OBS	00855	05.19	35.06	27.72		1486.0							
	OBS	00865	05.16	35.05	27.72		1486.0							
	OBS	00895	05.31	35.09	27.73		1487.2							
	STD	00900	05.26	35.08	27.73	00.896	1487.1							
	OBS	00900	05.26	35.08	27.73		1487.1							
	STD	01000	04.80	35.03	27.74	00.944	1486.8							
	OBS	01000	04.80	35.03	27.74		1486.8							
	OBS	01045	04.61	35.01	27.75		1486.7							
	OBS	01060	04.65	35.02	27.75		1487.1							
	STD	01100	04.44	35.00	27.76	00.991	1486.9							
	OBS	01100	04.44	35.00	27.76		1486.9							
	OBS	01150	04.37	35.00	27.77		1487.5							
	STD	01200	04.21	34.98	27.77	01.038	1487.6							
	OBS	01200	04.21	34.98	27.77		1487.6							
	STD	01300	04.08	34.97	27.78	01.083	1486.7							
	OBS	01300	04.08	34.97	27.76		1488.7							
	OBS	01320	04.02	34.96	27.77		1488.8							
	OBS	01370	04.02	34.97	27.78		1489.6							
	OBS	01390	04.05	34.98	27.79		1490.1							
	STD	01400	04.16	35.00	27.79	01.129	1490.8							
	OBS	01400	04.16	35.00	27.79		1490.8							
	OBS	01410	04.11	34.99	27.79		1490.7							
	OBS	01440	04.13	35.00	27.79		1491.3							
	STD	01500	04.01	34.99	27.80	01.175	1491.8							
	OBS	01500	04.01	34.99	27.80		1491.8							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFID 31 8455	YEAR 1975	BOTOP 03484	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1307
CONSEC 0007	MONTH 09	SHIP EJ	WET BULB 17.2	17 3 7	WIND-SPD 05	TRACE DIR 0	5 SQUARE 1
LAT 41 52.0N	DAY 04	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 00
LONG 050 18.5W	HOUR 07.9	AREA 05	CLCUD 7/4	CL/TR	WEATHER X0	ORIG A4 03207	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	C0000	24.59	35.86	24.14	00.000	1534.8							
07.9	OBS	00000	24.59	35.86	24.14		1534.8							
	STO	00010	24.59	35.87	24.14	00.038	1535.0							
	OBS	00010	24.59	35.87	24.14		1535.0							
	STO	00020	24.32	35.84	24.20	00.076	1534.5							
	OBS	00020	24.32	35.84	24.20		1534.5							
	OBS	00021	24.18	35.80	24.21		1534.1							
	OSS	00023	24.45	36.31	24.52		1535.4							
	STO	00030	23.99	36.35	24.69	00.111	1534.4							
	OBS	00030	23.99	36.35	24.69		1534.4							
	STO	00050	20.93	36.32	25.54	00.168	1527.0							
	OBS	00050	20.93	36.32	25.54		1527.0							
	STO	00075	19.72	36.54	26.03	00.224	1524.4							
	OBS	00075	19.72	36.54	26.03		1524.4							
	OBS	00092	17.12	36.16	26.39		1516.8							
	STO	00100	17.24	36.18	26.38	00.271	1517.3							
	OBS	00100	17.24	36.18	26.38		1517.3							
	OBS	00111	17.78	36.34	26.37		1519.3							
	STO	00125	17.66	36.37	26.42	00.312	1519.2							
	OBS	00125	16.87 P											
	OBS	00138	17.48	36.40	26.49		1518.9							
	STO	00150	17.25	36.32	26.48	00.353	1518.3							
	OBS	00150	17.25	36.32	26.48		1518.3							
	STO	00200	16.68	36.27	26.58	00.432	1517.4							
	OBS	00200	16.68	36.27	26.58		1517.4							
	STO	00250	15.94	36.13	26.65	00.507	1515.8							
	OBS	00250	15.94	36.13	26.65		1515.8							
	OBS	00255	13.73	35.52	26.66		1508.8							
	STO	00300	13.97	35.75	26.79	00.578	1509.9							
	OBS	00300	13.97	35.75	26.79		1509.9							
	OBS	00335	13.47	35.68	26.84		1508.8							
	OBS	00345	13.55	35.76	26.89		1509.3							
	OBS	00365	12.59	35.55	26.92		1506.2							
	STO	00400	12.30	35.53	26.96	00.706	1505.7							
	OBS	00400	12.30	35.53	26.96		1505.7							
	OBS	00455	11.10	35.36	27.06		1502.2							
	OBS	00465	10.60	35.34	27.13		1500.6							
	OBS	00480	10.59	35.34	27.13		1500.8							
	STO	00500	10.30	35.30	27.15	00.818	1500.1							
	OBS	00500	10.30	35.30	27.15		1500.1							
	STO	00600	08.23	35.10	27.34	00.913	1493.8							
	OBS	00600	08.23	35.10	27.34		1493.8							
	STO	00700	06.56	35.04	27.53	00.989	1488.9							
	OBS	00700	06.56	35.04	27.53		1488.9							
	STO	00800	05.66	35.03	27.64	01.051	1487.0							
	OBS	00800	05.66	35.03	27.64		1487.0							
	OBS	00850	05.37	35.02	27.67		1486.6							
	OBS	00862	05.40	35.04	27.68		1486.9							
	STO	C0900	05.37	35.06	27.70	01.106	1487.5							
	OBS	00900	05.37	35.06	27.70		1487.5							
	OBS	C0910	05.43	35.07	27.70		1487.5							
	OBS	00965	05.01	35.02	27.71		1487.0							
	OBS	00975	05.05	35.03	27.71		1487.4							
	STO	C1000	04.96	35.03	27.72	01.157	1487.4							
	OBS	01000	04.96	35.03	27.72		1487.4							
	OBS	01089	04.94	35.05	27.74		1488.8							
	STO	01100	04.76	35.03	27.75	01.206	1488.3							
	OBS	01100	04.76	35.03	27.75		1488.3							
	OBS	C1130	04.67	35.03	27.76		1488.4							
	OBS	01150	04.69	35.03	27.76		1488.8							
	STO	01200	04.55	35.01	27.76	01.254	1489.0							
	OBS	01200	04.55	35.01	27.76		1489.0							
	OBS	01215	04.47	35.01	27.76		1489.0							
	STO	01300	04.36	35.01	27.78	01.301	1489.9							
	OBS	01300	04.36	35.01	27.78		1489.9							
	STO	C1400	04.23	34.99	27.78	01.346	1491.0							
	OBS	01400	04.23	34.99	27.78		1491.0							
	OBS	01440	04.19	34.98	27.77		1491.5							
	OBS	01450	03.96	34.95	27.77		1490.7							
	OBS	01465	03.98	34.97	27.79		1491.1							
	OBS	C1490	03.89	34.95	27.78		1491.1							
	STO	01500	03.89	34.95	27.78	01.395	1491.3							
	OBS	01500	03.89	34.95	27.78		1491.3							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIO 31 8459	YEAR 1975	OCTOP 03105	AIR TEMP 25.7	OIR HGT PER	WIND-OIR 35	INST STO RECORDER	TEN SO 1307
CONSEC 0008	MONTH 05	SHIP E1	WET BULB 21.9	02 4 4	WIND-SPO 20	TRACE OIR 0	5 SQUARE 1
LAT 41 23.0N	CAY 04	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 00
LONG 050 21.0N	HOUR 13.0	AREA 05	CLCUO T/A	CL/TR	WEATHER X1	ORIG A4 03208	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	25.02	36.27	24.31	00.000	1536.3							
13.0	OBS	00000	25.02	36.27	24.31		1536.3							
	STO	00010	24.99	36.27	24.32	00.036	1536.4							
	OBS	C0010	24.99	36.27	24.32		1536.4							
	STO	00020	24.99	38.28	24.35	00.072	1536.6							
	OBS	00020	24.99	36.28	24.33		1536.6							
	STO	00030	25.00	36.28	24.33	00.108	1536.8							
	OBS	00030	25.00	36.28	24.33		1536.8							
	OBS	C0040	25.03	36.30	24.33		1537.0							
	STO	00050	24.83	36.27	24.37	00.181	1536.7							
	OBS	00050	24.83	36.27	24.37		1536.7							
	OBS	00060	23.97	36.27	24.64		1534.8							
	STO	00075	21.70	36.34	25.34	00.259	1529.4							
	OBS	00075	21.70	36.34	25.34		1529.4							
	OBS	00077	21.39	36.37	25.45		1528.7							
	OBS	00081	21.67	36.52	25.48		1529.7							
	STO	00100	20.75	36.53	25.74	00.321	1527.6							
	OBS	00100	20.75	36.53	25.74		1527.6							
	STO	00125	18.97	36.02	25.83	00.377	1522.5							
	OBS	00125	18.97	36.02	25.83		1522.5							
	STO	00150	17.50	36.05	26.22	00.428	1518.8							
	OBS	00150	17.50	36.05	26.22		1518.8							
	STO	00200	16.75	36.11	26.44	00.517	1517.4							
	OBS	00200	16.75	36.11	26.44		1517.4							
	OBS	00220	16.06	36.04	26.55		1515.6							
	OBS	00225	16.09	36.08	26.57		1515.8							
	OBS	00235	15.96	36.06	26.59		1515.5							
	OBS	00239	16.00	36.06	26.58		1515.7							
	STO	00250	15.65	36.00	26.61	00.596	1514.7							
	OBS	00250	15.65	36.00	26.61		1514.7							
	OBS	00255	15.52	36.01	26.65		1514.4							
	OBS	00270	15.45	36.01	26.66		1514.6							
	OBS	00290	14.86	35.90	26.71		1512.9							
	OBS	00293	14.93	35.92	26.71		1513.1							
	STO	00300	14.86	35.90	26.71	00.665	1513.0							
	OBS	00300	14.86	35.90	26.71		1513.0							
	OBS	00307	15.05	35.97	26.73		1513.8							
	OBS	00365	13.93	35.78	26.82		1510.9							
	OBS	00370	13.83	35.82	26.87		1510.7							
	OBS	00375	13.91	35.84	26.87		1511.1							
	STO	00400	13.56	35.74	26.87	00.806	1510.2							
	OBS	00400	13.56	35.74	26.87		1510.2							
	OBS	00425	12.81	35.62	26.93		1508.0							
	OBS	00429	12.84	35.62	26.92		1508.1							
	OBS	00460	12.12	35.52	26.99		1506.1							
	OBS	00470	12.13	35.52	26.99		1506.3							
	STO	00500	11.54	35.44	27.04	00.929	1504.6							
	OBS	00500	11.54	35.44	27.04		1504.6							
	STO	00600	09.38	35.19	27.22	01.036	1498.2							
	OBS	00600	09.38	35.19	27.22		1498.2							
	OBS	C0647	08.54	35.11	27.30		1495.8							
	OBS	00655	08.52	35.11	27.30		1495.8							
	OBS	00674	08.17	35.09	27.34		1494.8							
	OBS	00675	08.24	35.12	27.35		1495.2							
	STO	00700	07.94	35.08	27.37	01.127	1494.3							
	OBS	00700	07.94	35.08	27.37		1494.3							
	OBS	00708	07.84	35.08	27.38		1494.1							
	OBS	00712	07.86	35.08	27.38		1494.2							
	OBS	00717	07.58	35.09	27.43		1493.2							
	OBS	00730	07.52	35.08	27.43		1493.2							
	OBS	00750	06.99	35.06	27.49		1491.4							
	OBS	00760	06.76	35.04	27.50		1490.7							
	STO	00800	06.42	35.04	27.55	01.203	1490.0							
	OBS	C0800	06.42	35.04	27.55		1490.0							
	OBS	00815	06.31	35.05	27.57		1489.8							
	OBS	00825	06.28	35.06	27.58		1489.9							
	OBS	00835	06.31	35.07	27.59		1490.2							
	OBS	00845	06.08	35.05	27.60		1489.4							
	OBS	00850	06.08	35.07	27.62		1489.5							
	STO	00900	05.68	35.05	27.65	01.265	1488.7							
	OBS	C0900	05.68	35.05	27.65		1488.7							
	OBS	00940	05.37	35.03	27.68		1488.1							
	OBS	00975	05.12	35.02	27.70		1487.6							
	STO	01000	04.98	35.01	27.71	01.319	1487.5							
	OBS	01000	04.98	35.01	27.71		1487.5							
	STO	01100	04.82	35.01	27.73	01.370	1488.5							
	OBS	C1100	04.82	35.01	27.73		1488.5							
	STO	01200	04.61	35.00	27.74	01.420	1489.3							
	OBS	01200	04.61	35.00	27.74		1489.3							
	STO	01300	04.45	35.00	27.76	01.469	1490.3							
	OBS	01300	04.45	35.00	27.76		1490.3							
	OBS	C1330	04.42	35.00	27.76		1490.7							
	OBS	01370	04.43	35.00	27.76		1491.4							
	STO	01400	04.23	35.00	27.78	01.517	1491.1							
	OBS	01400	04.23	35.00	27.78		1491.1							
	OBS	01445	04.26	34.99	27.77		1491.5							
	OBS	01477	04.23	34.99	27.78		1492.3							
	OBS	01485	04.18	34.99	27.78		1492.3							
	STO	01500	04.18	34.99	27.74	01.564	1492.5							
	OBS	01500	04.18	34.99	27.78		1492.5							

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TABLE III. USCGC CHASE, August-September, 1977.—Continued

NODC STATION DATA

REFIC 91 8455	YEAR 1975	BOTOP 04153	AIR TEMP 25.7	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1307
CONSEC 0005	MONTH 05	SHIP E1	WET BULB 21.9	02 4 4	WIND-SPD 20	TRACE DIR 0	5 SQUARE 1
LAT 40 52.0N	DAY 04	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 00
LONG 050 20.0N	HOUR 16.9	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	ORIG A4 03209	1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	25.07	36.21	24.25	00.000	1536.3							
16.9	OBS	00000	25.07	36.21	24.25		1536.3							
	STO	00010	25.04	36.22	24.27	00.037	1536.4							
	OBS	00010	25.04	36.22	24.27		1536.4							
	STO	00020	25.09	36.29	24.31	00.073	1536.8							
	OBS	00020	25.09	36.29	24.31		1536.8							
	STO	00030	25.08	36.29	24.31	00.110	1537.0							
	OBS	00030	25.08	36.25	24.31		1537.0							
	OBS	00041	25.07	36.31	24.33		1537.1							
	STO	00050	24.54	36.34	24.51	00.180	1536.1							
	OBS	00050	24.54	36.34	24.51		1536.1							
	STO	00075	22.28	36.50	25.30	00.257	1531.1							
	OBS	00075	22.28	36.50	25.30		1531.1							
	STO	00100	20.47	36.46	25.77	00.320	1526.8							
	OBS	00100	20.47	36.46	25.77		1526.8							
	STO	00125	19.24	36.46	26.05	00.373	1523.8							
	OBS	00125	19.24	36.46	26.09		1523.8							
	STO	00150	18.61	36.47	26.21	00.421	1523.0							
	OBS	00150	18.61	36.47	26.21		1523.0							
	STO	00200	18.46	36.45	26.28	00.513	1522.9							
	OBS	00200	18.46	36.45	26.28		1522.9							
	OBS	00230	16.58	36.15	26.51		1517.4							
	OBS	00240	16.75	36.20	26.51		1518.2							
	STO	00250	16.51	36.12	26.51	00.599	1517.5							
	OBS	00250	16.51	36.12	26.51		1517.5							
	OBS	00271	15.55	35.98	26.62		1514.8							
	OBS	00280	15.89	36.06	26.61		1516.1							
	STO	00300	15.36	36.02	26.65	00.676	1514.7							
	OBS	00300	15.36	36.02	26.69		1514.7							
	OBS	00310	14.43	35.88	26.75		1511.7							
	OBS	00320	14.70	35.96	26.80		1512.9							
	OBS	00350	14.36	35.86	26.81		1512.2							
	STO	00400	13.46	35.68	26.84	00.815	1509.8							
	OBS	00400	13.46	35.68	26.84		1509.8							
	OBS	00430	12.14	35.44	26.92		1505.6							
	OBS	00445	12.56	35.60	26.96		1507.4							
	STO	00500	11.48	35.43	27.04	00.939	1504.4							
	OBS	00500	11.48	35.43	27.04		1504.4							
	STO	00600	09.39	35.18	27.21	01.046	1498.2							
	OBS	00600	09.39	35.18	27.21		1498.2							
	STO	00700	07.54	35.04	27.39	01.136	1492.7							
	OBS	00700	07.54	35.04	27.39		1492.7							
	OBS	00770	06.83	35.06	27.51		1491.1							
	OBS	00780	06.64	35.08	27.52		1451.4							
	STO	00800	06.56	35.05	27.54	01.211	1450.6							
	OBS	00800	06.56	35.05	27.54		1450.6							
	OBS	00810	06.42	35.05	27.56		1450.2							
	OBS	00821	06.52	35.07	27.56		1450.8							
	OBS	00885	05.72	35.01	27.62		1488.6							
	STO	00900	05.78	35.04	27.63	01.274	1489.1							
	OBS	00900	05.78	35.04	27.63		1489.1							
	OBS	00910	05.54	35.01	27.64		1488.3							
	STO	01000	05.13	35.01	27.65	01.330	1488.1							
	OBS	01000	05.13	35.01	27.69		1488.1							
	OBS	01030	05.00	35.01	27.70		1488.1							
	OBS	01050	05.10	35.05	27.72		1488.8							
	OBS	01090	04.85	35.01	27.72		1488.4							
	STO	01100	04.90	35.03	27.73	01.382	1488.8							
	OBS	01100	04.90	35.03	27.73		1488.8							
	STO	01200	04.67	35.02	27.75	01.432	1489.5							
	OBS	01200	04.67	35.02	27.75		1489.5							
	OBS	01240	04.53	35.00	27.75		1489.6							
	OBS	01250	04.55	35.01	27.76		1489.9							
	STO	01300	04.43	35.00	27.76	01.480	1490.2							
	OBS	01300	04.43	35.00	27.76		1490.2							
	STO	01400	04.32	34.99	27.77	01.529	1491.4							
	OBS	01400	04.32	34.99	27.77		1491.4							
	STO	01500	04.19	34.99	27.78	01.577	1492.6							
	OBS	01500	04.19	34.99	27.78		1492.6							

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TABLE IV. USCGC HAMILTON, November, 1977.

NODC STATION DATA

ARCHIVE LISTING

REFID 31 2703	YEAR 1975	BOTOP 02338	AIR TEMP 07.7	DIR HGT PER	WIND-DIR 16	INST NANSEN CAST	TEN SO 1306
CONSEC 0001	MONTH 11	SHIP HT	WET BULB 07.3	11 2 5	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 48 34 N	DAY 15	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 40 W	HOUR 12.1	AREA 05	CLOUD 7/A	CL/TR	WEATHER A0	ORIG A2 06201	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	06.63	34.22	26.87	00.000	1476.6							
12.1	OBS	00000	06.63	34.217	26.87		1476.6							
	STD	00010	06.60	34.20	26.87	00.012	1476.6							
	STD	00020	06.56	34.19	26.87	00.024	1476.6							
12.1	OBS	00023	06.55	34.194	26.87		1476.6							
	STD	00030	06.51	34.20	26.86	00.036	1476.5							
12.1	OBS	00046	06.41	34.210	26.90		1476.4							
	STD	00050	05.92	34.25	26.99	00.059	1474.6							
12.1	OBS	00068	04.21	34.433	27.34		1468.1							
	STD	00075	03.83	34.52	27.44	00.060	1466.7							
12.1	OBS	00090	03.26	34.659	27.61		1464.7							
	STD	00100	03.30	34.68	27.63	00.064	1465.1							
	STD	00125	03.40	34.73	27.66	00.106	1466.0							
12.1	OBS	00134	03.45	34.750	27.66		1466.4							
	STD	00150	03.59	34.77	27.67	00.117	1467.3							
12.1	OBS	00182	03.76	34.803	27.68		1468.6							
	STD	00200	03.69	34.81	27.69	00.135	1468.6							
	STD	00250	03.55	34.84	27.72	00.160	1468.9							
12.1	OBS	00269	03.52	34.841	27.73		1469.0							
	STD	00300	03.51	34.85	27.74	00.180	1469.5							
12.1	OBS	TC0356	03.50	34.851	27.74		1470.4							
	STD	00400	03.42	34.83	27.73	00.220	1470.8							
12.1	OBS	00446	03.35	34.821	27.73		1471.2							
	STD	00500	03.30	34.85	27.76	00.260	1471.9							
12.1	OBS	T00528	03.28	34.857	27.77		1472.3							
	STD	00600	03.28	34.85	27.76	00.300	1473.5							
12.1	OBS	T00667	03.27	34.848	27.76		1474.6							
	STD	00700	03.26											
	STD	00800	03.23											
12.1	OBS	T00809	03.23											
	STD	C0900	03.23											
	STD	01000	03.26											
	STD	01100	03.32											
12.1	OBS	T01157	03.36											

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REFID 31 2703	YEAR 1975	BOTOP 01152	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 16	INST NANSEN CAST	TEN SO 1306
CONSEC 0002	MONTH 11	SHIP HT	WET BULB 07.7	09 1 5	WIND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 48 20 N	DAY 15	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	HOUR 13.0	AREA 05	CLOUD 7/A	CL/TR	WEATHER A0	ORIG A2 06202	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.05	34.18	26.79	00.000	1478.2							
13.0	OBS	00000	07.05	34.185	26.79		1478.2							
	STD	00010	07.03	34.18	26.79	00.013	1478.3							
	STD	00020	07.01	34.18	26.80	00.025	1478.3							
13.0	OBS	00024	07.00	34.182	26.80		1478.4							
	STD	00030	06.89	34.19	26.82	00.038	1478.1							
13.0	OBS	00048	06.58	34.226	26.89		1477.2							
	STD	00050	06.29	34.25	26.95	00.062	1476.1							
13.0	OBS	00072	03.99	34.505	27.42		1467.3							
	STD	00075	03.87	34.53	27.44	00.064	1466.9							
13.0	OBS	00096	03.25	34.646	27.60		1464.8							
	STD	00100	03.23	34.66	27.61	00.098	1464.9							
	STD	00125	03.30	34.71	27.65	00.110	1465.5							
13.0	OBS	00145	03.34	34.742	27.67		1466.1							
	STD	00150	03.36	34.75	27.67	00.122	1466.3							
	STD	00200	03.53	34.80	27.70	00.143	1467.9							
13.0	OBS	T00203	03.53	34.805	27.70		1468.0							
	STD	C0250	03.44	34.81	27.71	00.164	1468.4							
	STD	00300	03.38	34.81	27.72	00.184	1468.9							
13.0	OBS	C0300	03.38	34.815	27.72		1468.9							
13.0	OBS	T00356	03.33	34.821	27.73		1470.3							
	STD	00400	03.33	34.82	27.73	00.225	1470.4							
13.0	OBS	00493	03.34	34.829	27.74		1472.0							
	STD	00500	03.33	34.83	27.74	00.266	1472.0							
13.0	OBS	00590	03.26											
	STD	00600	03.26	34.83	27.75	00.306	1473.4							
	STD	00700	03.28	34.84	27.75	00.347	1475.2							
13.0	OBS	00783	03.29	34.849	27.76		1476.6							
	STD	00800	03.29	34.85	27.76	00.388	1476.9							
	STD	C0900	03.28	34.86	27.77	00.429	1478.5							
	STD	01000	03.26	34.86	27.78	00.469	1480.1							
13.0	OBS	T01017	03.25	34.875	27.79		1480.4							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2703	YEAR 1975	BOTOP 00620	AIR TEMP 05.4	DIR HGT PER	WIND-DIR 16	INST NANSEN CAST	TEN SO 1306
CONSEC 0003	MONTH 11	SHIP HT	WET BULB 06.8	18 1 5	WIND-SPD 07	TRACE DIR	5 SQUARE 4
LAT 48 00 N	DAY 15	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 48 W	HOUR 17.3	AREA 05	CLOUD T/4	CL/TR	WEATHER X0	ORIG A2 06203	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	07.35	33.72	26.39	00.000	1478.7						
17.3	OBS	00000	07.35	33.725	26.39		1478.7						
	STO	00010	07.27	33.76	26.43	00.016	1478.7						
	STO	00020	07.14	33.83	26.50	00.032	1478.4						
17.3	OBS	00021	07.12	33.838	26.51		1478.3						
	STO	00030	06.89	33.96	26.64	00.047	1477.7						
17.3	OBS	00042	06.63	34.073	26.76		1477.1						
	STO	00050	06.52	34.08	26.78	00.074	1476.8						
17.3	OBS	00062	06.35	34.137	26.85		1476.4						
	STO	00075	04.14	34.32	27.25	00.100	1467.8						
17.3	OBS	00083	03.18	34.408	27.42		1463.9						
	STO	00100	03.18	34.51	27.50	00.118	1464.4						
	STO	00125	03.21	34.62	27.59	00.132	1465.1						
17.3	OBS	00125	03.21	34.622	27.59		1465.1						
	STO	00150	03.28	34.69	27.64	00.145	1465.8						
17.3	OBS	T00171	03.35	34.741	27.67		1466.6						
	STO	C0200	03.59	34.79	27.68	00.168	1468.1						
	STO	00250	03.78	34.84	27.71	00.185	1469.9						
17.3	OBS	00256	03.79	34.848	27.71		1470.0						
	STO	00300	03.58	34.84	27.73	00.210	1469.8						
17.3	OBS	T00342	03.45	34.840	27.74		1470.0						
	STO	00400	03.43	34.84	27.74	00.250	1470.8						
17.3	OBS	00433	03.41	34.845	27.74		1471.3						
	STO	00500	03.34	34.85	27.76	00.290	1472.1						
17.3	OBS	00521	03.33	34.856	27.76		1472.4						
	STO	00600	03.32	34.86	27.76	00.325	1473.7						
17.3	OBS	700668	03.32	34.855	27.76		1474.8						

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REFID 31 2703	YEAR 1975	BOTOP 00623	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 12	INST NANSEN CAST	TEN SO 1306
CONSEC 0004	MONTH 11	SHIP HT	WET BULB 09.4	12 1 2	WIND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1016.3	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 31 W	HOUR 08.0	AREA 05	CLOUD T/A X/8	CL/TR	WEATHER R2	ORIG A2 06204	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	07.38	33.61	26.29	00.000	1478.7						
08.0	OBS	00000	07.38	33.609	26.29		1478.7						
	STO	00010	07.34	33.61	26.30	00.017	1478.7						
	STO	00020	07.27	33.62	26.32	00.035	1478.6						
08.0	OBS	00024	07.23	33.621	26.32		1478.5						
	STO	00030	07.14	33.69	26.39	00.051	1478.4						
08.0	OBS	00048	06.88	33.906	26.60		1477.9						
	STO	00050	06.54	33.94	26.67	00.082	1476.6						
08.0	OBS	00072	03.85	34.262	27.24		1466.4						
	STO	00075	03.74	34.29	27.27	00.109	1466.1						
08.0	OBS	00097	03.21	94.494	27.48		1464.4						
	STO	00100	03.23	34.51	27.49	00.127	1464.6						
	STO	00125	03.38	34.62	27.57	00.142	1465.8						
08.0	OBS	00145	03.51	34.714	27.63		1466.8						
	STO	00150	03.69	34.75	27.64	00.154	1467.7						
08.0	OBS	T00199	04.94	34.968	27.68		1474.0						
	STO	00200	04.94	34.97	27.68	00.177	1474.0						
	STO	00250	04.71	34.94	27.69	00.200	1473.9						
08.0	OBS	00296	04.46	34.924	27.70		1473.6						
	STO	00300	04.42	34.92	27.70	00.222	1473.5						
08.0	OBS	T00392	03.79	34.890	27.74		1472.3						
	STO	00400	03.78	34.89	27.74	00.264	1472.4						
08.0	OBS	00494	03.69	34.887	27.75		1473.5						
	STO	00500	03.68	34.89	27.75	00.304	1473.6						
08.0	OBS	T00591	03.56	34.885	27.76		1474.6						

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

N O D C   S T A T I O N   D A T A

FEFID 31 2703	YEAR 1975	BOTOP 01152	AIR TEMP 05.4	DIR HGT PER	WIND-DIR 10	INST NANSEN CAST	TEN SG 1306
CONSEC 0005	MONTH 11	SHIP HT	WET BULB 06.6	14 0 2	WIND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1015.6	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 47 W	HOUR 10.1	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X2	ORIG A2 06205	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	06.67	34.17	26.83	00.000	1476.7							
10.1	OBS	00000	06.67	34.167	26.83		1476.7							
	STO	00010	06.57	34.19	26.86	00.012	1476.5							
	STO	00020	06.48	34.21	26.89	00.024	1476.3							
10.1	OBS	00025	06.43	34.212	26.90		1476.2							
	STO	00030	06.40	34.21	26.90	00.036	1476.1							
	STC	00050	06.22	34.21	26.92	00.059	1475.7							
10.1	OBS	C0050	06.22	34.211	26.92		1475.7							
	STO	00075	05.85	34.28	27.01	00.087	1474.7							
10.1	OBS	00075	05.85	34.260	27.01		1474.7							
	STO	00100	03.12	34.56	27.55	00.107	1464.2							
10.1	OBS	00100	03.12	34.561	27.55		1464.2							
	STO	00125	03.22	34.65	27.60	00.120	1465.1							
	STO	00150	03.31	34.71	27.65	00.132	1466.0							
10.1	OBS	00150	03.31	34.711	27.65		1466.0							
	STO	C0200	03.49	34.78	27.68	00.155	1467.7							
10.1	OBS	T00205	03.50	34.781	27.68		1467.8							
	STO	C0250	03.50	34.80	27.70	00.177	1468.6							
	STO	00300	03.49	34.81	27.71	00.198	1469.4							
10.1	OBS	00305	03.49	34.812	27.71		1469.5							
	STO	C0400	03.40	34.82	27.73	00.239	1470.7							
10.1	OBS	T00405	03.40	34.821	27.73		1470.8							
	STO	00500	03.39	34.83	27.73	00.281	1472.3							
10.1	OBS	00510	03.39	34.831	27.73		1472.5							
	STO	00600	03.33	34.83	27.74	00.322	1473.7							
10.1	OBS	TC0610	03.33	34.827	27.74		1473.5							
	STO	00700	03.33	34.84	27.74	00.364	1475.3							
	STO	00800	03.32	34.84	27.75	00.406	1477.0							
10.1	OBS	00810	03.32	34.841	27.75		1477.2							
	STO	00900	03.26	34.84	27.75	00.448	1478.5							
	STO	01000	03.25	34.84	27.75	00.491	1480.0							
10.1	OBS	T01015	03.24											
	STO	C1100	03.27	34.83	27.75	00.535	1481.6							
10.1	OBS	T01125	03.29	34.832	27.75		1482.3							

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FEFID 31 2703	YEAR 1975	BOTOP 01079	AIR TEMP 05.4	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SO 1306
CONSEC 0006	MONTH 11	SHIP HT	WET BULB 06.9	11 1 5	WIND-SPD 07	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1015.6	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 59 W	HOUR 12.0	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER A6	ORIG A2 06206	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	05.79	33.96	26.78	00.000	1472.9							
12.0	OBS	00000	05.79	33.961	26.76		1472.9							
	STO	00010	05.74	34.05	26.86	00.012	1473.0							
	STO	00020	05.69	34.12	26.92	00.024	1473.0							
12.0	OBS	00025	05.66	34.142	26.94		1473.0							
	STO	00030	05.63	34.14	26.94	00.035	1472.9							
12.0	OBS	00049	05.50	34.153	26.97		1472.7							
	STO	00050	05.33	34.16	26.99	00.058	1472.1							
12.0	OBS	00074	02.69	34.257	27.37		1461.5							
	STO	00075	02.69	34.31	27.39	00.060	1461.6							
12.0	OBS	00098	02.70	34.61E	27.63		1462.4							
	STO	00100	02.73	34.62	27.63	00.095	1462.6							
	STO	00125	03.06	34.65	27.62	00.107	1464.4							
12.0	OBS	00147	03.31	34.676	27.62		1465.9							
	STO	00150	03.35	34.68	27.62	00.119	1466.1							
	STO	00200	03.75	34.76	27.66	00.143	1469.0							
12.0	OBS	T00201	03.80	34.784	27.66		1469.0							
	STO	00250	03.75	34.80	27.67	00.166	1469.6							
	STO	00300	03.70	34.81	27.69	00.168	1470.3							
12.0	OBS	00300	03.70											
12.0	OBS	T00398	03.64	34.82E	27.71		1471.7							
	STO	00400	03.64											
	STO	C0500	03.53											
12.0	OBS	00501	03.53											
12.0	OBS	T00559	03.42	34.850	27.75		1474.1							
	STO	00600	03.42	34.85	27.75		1474.1							
	STO	00700	03.38	34.84	27.75		1475.6							
12.0	OBS	00795	03.34	34.839	27.75		1477.0							
	STC	00800	03.34	34.84	27.75		1477.1							
	STO	00900	03.31	34.84	27.75		1478.6							
	STO	C1000	03.28	34.84	27.76		1480.2							
12.0	OBS	T01002	03.26	34.844	27.76		1480.2							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

N O D C   S T A T I O N   D A T A

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REFID  31  2703     YEAR 1975    BOTOP 00464    AIR TEMP   07.7    DIR HGT PER    WIND-DIR 11    INST NANSEN CAST    TEN SQ 1306
CONSEC     0C07     MONTH  11    SHIP HT        WET BULB   07.7     12  0   A     WIND-SPD 06    TRACE DIR           5 SQUARE  4
LAT    47 00 N      DAY    16    DATA USE  1    BARCMETR 1014.2    SEA            WIND-FOR       DURATION            2 SQUARE 66
LONG  047 16 W      HOUR 13.9    AREA     05    CLOUD T/A   A/9    CL/TR          WEATHER X4     ORIG A2 06207       1 SQUARE 77
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.35	33.63	26.87	00.000	1457.9							
13.9	OBS	00000	02.35	33.625	26.87		1457.9							
	STO	00010	02.61	33.79	26.96	00.011	1460.3							
	STO	03020	03.19	33.91	27.02	00.022	1462.3							
13.9	OBS	00025	03.35	33.956	27.04		1463.1							
	STO	00030	03.77	33.98	27.02	00.033	1465.0							
13.9	OBS	00049	03.87	33.996	27.02		1465.8							
	STO	00050	03.66	33.98	27.03	00.054	1464.9							
13.9	OBS	00073	00.59	33.824	27.15		1451.6							
	STO	00075	00.64	33.85	27.17	00.078	1451.8							
13.9	OBS	00098	01.10	34.138	27.37		1454.7							
	STO	00100	01.12	34.14	27.37	00.098	1454.8							
	STO	00125	01.42	34.23	27.42	00.116	1456.7							
13.9	OBS	00147	01.76	34.301	27.45		1458.7							
	STO	00150	01.84	34.31	27.46	00.132	1459.1							
	STO	00200	02.84	34.49	27.51	00.163	1464.5							
13.9	OBS	T00201	02.85											
	STO	00250	03.08	34.62	27.55	00.191	1466.5							
13.9	OBS	00299	03.21	34.694	27.64		1468.0							
	STO	00300	03.21	34.69	27.64	00.216	1468.0							
13.9	OBS	T00398	03.20	34.707	27.65		1469.6							
	STO	00400	03.20	34.71	27.65	00.264	1469.7							
13.9	OBS	T00442	03.30	34.695	27.64		1470.8							

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REFID  31  2703     YEAR 1975    BOTOP 00218    AIR TEMP   07.2    DIR HGT PER    WIND-DIR 06    INST NANSEN CAST    TEN SQ 1306
CONSEC     0008     MONTH  11    SHIP HT        WET BULB   07.2     12  0   X     WIND-SPO 11    TRACE DIR           5 SQUARE  4
LAT    47 00 N      DAY    16    DATA USE  1    BARCMETR 1012.2    SEA            WIND-FOR       DURATION            2 SQUARE 66
LONG  047 27 W      HOUR 15.4    AREA     05    CLOUD T/A   X/9    CL/TR          WEATHER A4     ORIG A2 06208       1 SQUARE 77
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.66	32.50	26.26	00.000	1458.3							
15.4	OBS	00000	02.66	32.895	26.26		1458.3							
	STO	00010	02.11	33.11	26.47	00.017	1456.3							
	STO	00020	01.71	33.28	26.64	00.032	1455.0							
15.4	OBS	00025	01.56	33.350	26.71		1454.5							
	STO	00030	01.42	33.40	26.76	00.045	1454.0							
	STO	00050	01.34	33.55	26.88	00.070	1454.2							
15.4	OBS	00050	01.34	33.554	26.88		1454.2							
	STO	00075	02.33	33.63	26.87	00.100	1455.1							
15.4	OBS	0C075	02.33	33.630	26.87		1459.1							
	STO	00100	03.00	33.99	27.10	00.127	1462.9							
15.4	OBS	00100	03.00	33.988	27.10		1462.9							
	STO	00125	02.49	34.18	27.30	00.149	1461.4							
	STO	00150	00.81	34.22	27.45	00.167	1454.4							
15.4	OBS	00150	00.81	34.217	27.45		1454.4							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

N O O C   S T A T I O N   D A T A

REFIC 51 2703	YEAR 1975	BOTOP 00175	AIR TEMP 06.7	OIR HGT PER	WIND-OIR 09	INST NANSEN CAST	TEN SO 1306
CONSEC 0009	MONTH 11	SHIP HT	WET BULB 06.7	12 0 X	WIND-SPD 16	TRACE 01A	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1009.5	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 34 ·	HOUR 17.0	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG AZ 06209	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.55	32.93	26.30	00.000	1457.6							
17.0	OBS	00000	02.55	32.935	26.30		1457.6							
	STD	00010	02.47	32.95	26.31	00.017	1457.7							
	STD	00020	02.39	32.96	26.33	00.034	1457.5							
17.0	OBS	00023	02.35	32.963	26.34		1457.4							
	STD	00030	02.31	33.09	26.44	00.051	1457.5							
	STD	00050	02.17	33.41	26.71	00.060	1457.7							
17.0	OBS	00050	02.17	33.410	26.71		1457.7							
	STD	00075	01.99	33.44	26.75	00.114	1457.3							
17.0	OBS	00075	01.99	33.442	26.75		1457.3							
	STD	00100	01.73	33.56	26.86	00.145	1456.7							
17.0	OBS	00100	01.73	33.562	26.86		1456.7							

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AEFIC 31 2703	YEAR 1975	BOTOP 00146	AIR TEMP 06.7	OIR HGT PER	WIND-OIR 10	INST NANSEN CAST	TEN SO 1306
CONSEC 0010	MONTH 11	SHIP HT	WET BULB 06.7	12 0 2	WIND-SPD 16	TRACE 01R	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1041.0	SEA	WIND-FOR	DURATION	2 SQUARE 68
LONG 048 03 ·	HOUR 16.7	AREA 05	CLOUD T/A A/9	CL/TR	WEATHER X4	ORIG AZ 06210	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.56	32.95	26.31	00.000	1457.9							
16.7	OBS	00000	02.56	32.951	26.31		1457.9							
	STD	00010	02.47	32.96	26.34	00.017	1457.7							
	STD	00020	02.38	33.01	26.37	00.034	1457.5							
16.7	OBS	00023	02.33	33.027	26.39		1457.4							
	STD	00030	02.60	33.25	26.55	00.050	1455.0							
	STD	00050	02.66	33.50	26.96	00.076	1460.4							
16.7	OBS	00050	02.66	33.000	26.98		1460.4							
	STD	00075	00.48	33.71	27.06	00.102	1450.9							
16.7	OBS	00075	00.48	33.713	27.06		1450.9							
	STD	00100	- 0.18	33.90	27.25	00.125	1446.6							
16.7	OBS	00100	- 0.16	33.905	27.25		1446.6							
16.7	OBS	00120	00.08	33.901	27.24		1450.1							

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Table IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

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REFIO  31  2704      YEAR 1975      BOTOP 04685     AIR TEMP   15.6      DIR HGT PER      WIND-DIR 14     INST NANSEN CAST      TEN SQ 1306
CONSEC     0001      MONTH  11      SHIP HT         WET BULB   15.0       18  0   X       WIND-SPD 03     TRACE 01A             5 SQUARE  1
LAT     43 11  N     DAY    17      DATA USE  1     BAROMETR 1004.4      SEA              WIND-FOR        DURATION              2 SQUARE 20
LONG  041 26  W      HOUR 22.2      AREA      05     CLOUD T/A   8/2     CL/TR            WEATHER  X1     ORIG  A3 06501        1 SQUARE 31
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	17.38	35.57	25.87	00.000	1515.4							
22.2	OBS	00000	17.38	35.566	25.87		1515.4							
	STO	00010	16.92	55.46	25.90	00.021	1514.0							
	STO	00020	16.52	35.38	25.93	00.042	1512.9							
	STO	00030	16.20	35.32	25.57	00.063	1512.0							
22.2	OBS	00034	16.09	35.305	25.58		1511.7							
	STO	00050	15.96	35.40	26.08	00.103	1511.7							
	STO	00075	15.84	35.51	26.20	00.151	1511.9							
22.2	OBS	00097	15.84	35.594	26.26		1512.3							
	STO	00100	15.86	35.60	26.26	00.156	1512.4							
	STO	00125	15.57	35.66	26.28	00.241	1513.3							
22.2	OBS	00126	15.57	35.666	26.28		1513.3							
	STO	00150	15.57	35.67	26.29	00.286	1513.7							
22.2	OBS	00166	15.57	35.672	26.29		1514.3							
	STO	00200	15.44	35.67	26.41	00.373	1512.9							
	STO	00250	13.64	55.67	26.80	00.448	1507.9							
22.2	OBS	T00251	13.61	35.667	26.80		1507.8							
	STO	00300	12.99	35.64	26.91	00.513	1506.5							
22.2	OBS	00376	12.01	35.565	27.04		1504.4							
	STO	00400	11.75	35.52	27.06	00.630	1503.8							
	STO	00500	10.40	35.33	27.16	00.737	1500.5							
22.2	OBS	T00502	10.37	35.331	27.16		1500.4							
	STO	00600	08.57	35.14	27.32	00.832	1455.1							
22.2	OBS	00633	07.97	35.084	27.36		1453.3							
	STO	00700	06.75	34.98	27.46	00.913	1489.6							
22.2	OBS	T00760	05.67	34.512	27.55		1486.2							

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REFIO  31  2704      YEAR 1975      BOTOP 04642     AIR TEMP   15.6      DIR HGT PER      WIND-DIR 22     INST NANSEN CAST      TEN SQ 1306
CONSEC     0002      MONTH  11      SHIP HT         WET BULB   15.0       09  1   6       WIND-SPD 08     TRACE C1A             5 SQUARE  1
LAT     43 15  N     DAY    18      DATA USE  1     BAROMETR 1005.8      SEA              WIND-FOR        DURATION              2 SQUARE 20
LONG  041 54  W      HOUR 05.7      AREA      05     CLOUD T/A   8/3     CL/TR            WEATHER  X1     ORIG  A3 06502        1 SQUARE 31
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	14.17	34.76	26.00	00.000	1504.5							
05.7	OBS	C0000	14.17	34.776	26.00		1504.5							
	STO	00010	14.17	34.78	26.00	00.020	1504.6							
	STO	00020	14.18	34.80	26.02	00.040	1504.8							
05.7	OBS	00025	14.18	34.824	26.03		1505.0							
	STO	00030	14.20	34.90	26.05	00.060	1505.2							
	STO	00050	14.26	35.02	26.17	00.098	1505.9							
05.7	OBS	00050	14.26	35.023	26.17		1505.9							
	STO	00075	11.08	34.77	26.60	00.140	1495.2							
05.7	OBS	00075	11.08	34.772	26.60		1495.2							
	STO	00100	08.50	34.56	26.87	00.173	1485.5							
05.7	OBS	C0100	08.50	34.562	26.87		1485.9							
	STO	00125	05.05	34.84	27.03	00.202	1468.7							
	STO	00150	05.06	34.97	27.10	00.228	1469.3							
05.7	OBS	00150	05.06	34.965	27.10		1469.3							
	STO	00200	07.35	34.78	27.22	00.275	1483.4							
05.7	OBS	T00205	07.22	34.766	27.22		1483.0							
	STO	00250	06.52	34.75	27.31	00.318	1480.5							
	STO	00300	06.04	34.73	27.36	00.358	1479.6							
05.7	OBS	00305	06.01	34.732	27.36		1479.8							
	STO	00400	06.09	34.93	27.50	00.428	1481.9							
05.7	OBS	T00405	06.09	34.932	27.51		1482.0							
	STO	00500	05.47	34.94	27.59	00.489	1481.1							
05.7	OBS	00510	05.42	34.942	27.60		1481.1							
	STO	00600	05.05	34.96	27.66	00.544	1481.2							
05.7	OBS	00610	05.06	34.964	27.66		1481.3							
	STO	00700	04.75	34.96	27.70	00.554	1481.5							
	STO	00800	04.51	34.96	27.72	00.642	1482.1							
05.7	OBS	00810	04.49	34.961	27.72		1482.2							
	STO	00900	04.45	34.57	27.74	00.685	1483.6							
	STO	01000	04.36	34.58	27.75	00.735	1485.0							
05.7	OBS	T01015	04.37	34.575	27.75		1485.2							
05.7	OBS	01525	03.78	34.933	27.78		1491.2							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2704   YEAR 1975   BOTOP 04669   AIR TEMP 16.7   DIR HGT PER   WIND-DIR 23   INST NANSEN CAST   TEN SQ 1308
CONSEC 0003   MONTH 11   SHIP HT   WET BULB 15.6   08 4 5   WIND-SPD 08   TRACE DIR   5 SQUARE 1
LAT 43 21 N   DAY 18   DATA USE 1   BARCMETR 1006.4   SEA   WIND-FOR   2 SQUARE 22
LONG 042 28 W   HOUR 09.3   AREA 05   CLOUD T/A 8/8   CL/TR   WEATHER X1   ORIG A3 06503   1 SQUARE 32

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.21	35.27	26.15	00.000	1508.4							
09.3	OBS	00000	15.21	35.272	26.15		1508.4							
	STD	00010	15.06	35.26	26.18	00.019	1508.1							
	STD	00020	15.01	35.26	26.18	00.037	1508.1							
09.3	OBS	00020	15.01	35.236	26.18		1508.1							
	STD	00030	15.46	35.43	26.22	00.055	1509.9							
09.3	OBS	00042		35.392										
	STD	00050	15.94	35.65	26.28	00.091	1511.9							
09.3	OBS	00083	15.95	35.715	26.33		1512.3							
	STD	00075	15.68	35.72	26.39	00.134	1511.6							
09.3	OBS	00088	15.37	35.723	26.46		1510.9							
	STD	00100	15.22	35.73	26.51	00.175	1510.6							
	STD	00125	14.91	35.76	26.59	00.213	1510.1							
	STD	00150	14.61	35.78	26.68	00.249	1509.6							
09.3	OBS	T00183	14.20	35.811	26.79		1508.8							
	STD	00200	13.21	35.83	26.86	00.316	1505.8							
	STD	00250	10.80	35.23	27.01	00.376	1497.7							
09.3	OBS	00270	10.05	35.118	27.05		1495.1							
	STD	00300	09.30	35.06	27.14	00.425	1492.8							
09.3	OBS	T00362	08.17	35.006	27.27		1489.5							
	STD	00400	07.75	35.02	27.35	00.515	1488.5							
09.3	OBS	00453	07.50	35.043	27.40		1488.5							

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REFID 31 2704   YEAR 1975   BOTOP 04316   AIR TEMP 18.4   DIR HGT PER   WIND-DIR 21   INST NANSEN CAST   TEN SQ 1300
CONSEC 0004   MONTH 11   SHIP HT   WET BULB 18.7   25 2 3   WIND-SPD 18   TRACE DIR   5 SQUARE 1
LAT 43 37 N   DAY 18   DATA USE 1   BAROMETR 1003.7   SEA   WIND-FOR   2 SQUARE 22
LONG 043 40 W   HOUR 16.2   AREA 05   CLOUD T/A 8/8   CL/TR   WEATHER X6   ORIG A3 06504   1 SQUARE 33

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	17.77	36.17	26.24	00.000	1517.2							
16.2	OBS	00000	17.77	36.171	26.24		1517.2							
	STD	00010	17.75	36.17	26.25	00.018	1517.3							
	STD	00020	17.74	36.18	26.25	00.036	1517.3							
16.2	OBS	00025	17.73	36.178	26.26		1517.5							
	STD	00030	17.75	36.18	26.26	00.053	1517.7							
16.2	OBS	00049	17.81	36.207	26.26		1518.2							
	STD	00050	17.81	36.21	26.26	00.089	1518.2							
16.2	OBS	00074	17.88	36.245	26.27		1518.9							
	STD	00075	17.88	36.25	26.27	00.134	1518.9							
16.2	OBS	00099	17.86	36.255	26.28		1519.2							
	STD	00100	17.84	36.26	26.29	00.178	1519.2							
	STD	00125	17.36	36.26	26.41	00.221	1518.2							
16.2	OBS	00149	16.91	36.262	26.52		1517.2							
	STD	00150	16.89	36.26	26.52	00.262	1517.2							
	STD	C0200	16.03	36.13	26.63	00.338	1515.2							
16.2	OBS	T00203	15.98	36.121	26.63		1515.1							
	STD	00250	15.47	36.08	26.70	00.413	1514.3							
	STD	00300	14.80	35.97	26.78	00.481	1512.9							
16.2	OBS	00303	14.76	35.963	26.78		1512.8							
	STD	00400	13.12	35.71	26.93	00.611	1508.7							
16.2	OBS	T00402	13.09	35.702	26.94		1508.6							
	STD	00500	11.85	35.52	27.04	00.731	1505.8							
16.2	OBS	00507	11.72	35.492	27.05		1505.5							
	STD	00600	09.41	35.21	27.23	00.838	1498.4							
16.2	OBS	00606	09.27	35.193	27.24		1497.9							
	STD	00700	06.67	34.88	27.39	00.926	1489.1							
	STD	00800	04.88	34.72	27.49	01.001	1483.4							
16.2	OBS	00805	04.82	34.712	27.49		1483.2							
	STD	00900	04.60	34.81	27.59	01.066	1484.0							
	STD	01000	C4.40	34.89	27.68	01.123	1484.9							
16.2	OBS	T01009	04.38	34.895	27.69		1485.0							
16.2	OBS	T01516	03.89	34.925	27.76		1491.5							
	STD	01750	03.86	34.94	27.77		1495.3							
18.3	OBS	T01949	03.80	34.950	27.79		1498.5							
	STD	02000	03.78	34.95	27.79		1499.2							
18.3	OBS	02456	03.52	34.967	27.83		1506.0							
	STD	02500	03.49	34.97	27.83		1506.6							
18.3	OBS	02562	03.17	34.955	27.85		1513.2							
	STD	03000	03.14	34.95	27.86		1513.7							
18.3	OBS	T03471	02.78	34.946	27.86		1520.4							
18.3	OBS	T03915	02.49	34.930	27.90		1526.9							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

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REFID  31  2704    YEAR 1975    BOTOP 04654    AIR TEMP   16.4    DIR HGT PER    WIND-DIR 17    INST NANSEN CAST    TEN SQ 1306
CONSEC     0005     MONTH  11    SHIP HT        WET BULB   17.8    30  2   4      WIND-SPD 12    TRACE DIR           5 SQUARE   1
LAT    43 50 N      DAY    18    DATA USE  1    BAROMETR 1000.3    SEA            WIND-FOR       DURATION            2 SQUARE  24
LONG   044 30 W     HOUR 23.2    AREA      05    CLOUD T/A   X/7   CL/TR          WEATHER  X2    ORIG A3 06505       1 SQUARE  34
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.00	36.22	26.22	0C.000	1516.0							
23.2	OBS	00000	18.00	36.220	26.22		1518.0							
	STD	00010	18.00	36.22	26.22	00.018	1518.1							
	STD	00020	18.00	36.22	26.22	00.036	1518.3							
23.2	OBS	00025	18.00	36.219	26.22		1518.4							
	STD	00030	18.01	36.22	26.22	00.054	1516.5							
	STD	00050	18.02	36.22	26.22	00.091	1518.8							
23.2	OBS	00050	18.02	36.219	26.22		1518.8							
	STD	00075	18.01	36.34	26.31	00.135	1519.4							
23.2	OBS	00075	18.01	36.341	26.31		1519.4							
	STD	00100	17.53	36.36	26.45	00.178	1518.4							
23.2	OBS	00100	17.53	36.363	26.45		1518.4							
	STD	00125	17.16	36.32	26.51	00.218	1517.7							
	STD	00150	16.80	36.28	26.56	00.256	1517.0							
23.2	OBS	00150	16.80	36.280	26.56		1517.0							
	STD	00200	16.07	36.19	26.67	00.331	1515.5							
23.2	OBS	00205	16.00	36.186	26.68		1515.3							
	STD	00250	15.59	36.13	26.72	00.402	1514.7							
	STD	00300	15.03	36.04	26.78	00.472	1513.7							
23.2	OBS	00305	14.97	36.026	26.79		1513.6							
	STD	00400	13.54	35.78	26.91	00.604	1510.2							
23.2	OBS	T00405	13.48	35.773	26.91		1510.1							
	STD	00500	12.53	35.66	27.01	00.727	1508.3							
23.2	OBS	00510	12.38	35.633	27.02		1507.9							
	STD	00600	10.47	35.31	27.13	00.840	1502.3							
23.2	OBS	T00610	10.27	35.278	27.14		1501.7							
	STD	00700	08.60	35.18	27.34	00.938	1497.0							
	STD	00800	07.02	35.09	27.50	01.018	1452.4							
23.2	OBS	00810	06.88	35.079	27.52		1452.0							
	STD	00900	05.74	35.01	27.62	01.064	1488.9							
	STD	01000	04.73	34.95	27.69	01.140	1486.4							
23.2	OBS	T01015	04.60	34.947	27.70		1486.1							
23.2	OBS	01525	03.81	34.926	27.77		1491.3							

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REFID  31  2704    YEAR 1975    BOTOP 04731    AIR TEMP   18.4    DIR HGT PER    WIND-DIR 16    INST NANSEN CAST    TEN SQ 1306
CONSEC     0006     MONTH  11    SHIP HT        WET BULB   17.2    15  5   2      WIND-SPD 23    TRACE DIR           5 SQUARE   2
LAT    43 53 N      DAY    19    DATA USE  1    BAROMETR 0994.2    SEA            WIND-FOR       DURATION            2 SQUARE  24
LONG   045 08 W     HOUR 03.0    AREA      05    CLOUD T/A   X/8   CL/TR          WEATHER  X2    ORIG A3 06506       1 SQUARE  35
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	17.81	36.08	26.16	00.000	1517.2							
03.0	OBS	00000	17.81	36.076	26.16		1517.2							
	STD	00010	17.82	36.11	26.18	00.019	1517.5							
	STD	00020	17.84	36.13	26.20	00.037	1517.7							
03.0	OBS	00023	17.84	36.140	26.20		1517.8							
	STD	00030	17.85	36.16	26.21	00.055	1517.9							
03.0	OBS	00046	17.87	36.190	26.23		1518.3							
	STD	00050	17.87	36.19	26.24	00.092	1518.4							
03.0	OBS	00069	17.85	36.217	26.26		1518.6							
	STD	00075	17.83	36.23	26.27	00.137	1518.7							
03.0	OBS	00092	17.74	36.244	26.31		1518.7							
	STD	00100	17.59	36.23	26.33	00.181	1516.4							
	STD	00125	17.14	36.18	26.40	00.223	1517.4							
03.0	OBS	00138		36.165										
	STD	00150	16.69	36.16	26.50	00.264	1516.5							
03.0	OBS	T00168	16.01	36.134	26.63		1515.0							
	STD	00200	15.79	36.10	26.66	00.340	1514.5							
	STD	00250	14.85	35.97	26.76	00.411	1512.3							
03.0	OBS	00281	14.37	35.894	26.82		1511.1							
	STD	00300	14.05	35.84	26.85	00.478	1510.3							
03.0	OBS	00375	12.92	35.680	26.95		1507.6							
	STD	00400	12.77	35.67	26.98	00.603	1507.5							
03.0	OBS	00474	11.82	35.551	27.07		1505.3							
	STD	00500	11.12	35.44	27.11	00.716	1503.2							
03.0	OBS	T00569	09.47	35.206	27.22		1498.1							
	STD	00600	08.86	35.17	27.30	00.816	1496.3							
	STD	00700	07.15	35.09	27.49	00.897	1491.4							
03.0	OBS	T00761	06.40	35.056	27.57		1489.3							
	STD	00800	06.10	35.05	27.60	00.964	1488.7							
	STD	00900	05.41	35.03	27.67	01.022	1487.6							
03.0	OBS	T00961	05.05	35.014	27.70		1487.1							
03.0	OBS	T01462	03.97	34.948	27.77		1490.9							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2704	YEAR 1975	BOTOP 04083	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SO 1306
CONSEC 0007	MONTH 11	SHIP HT	WET BULB 15.0	15 2 6	WIND-SPD 12	TRACE DIR	5 SQUARE 2
LAT 44 01 N	DAY 19	DATA USE 1	BAROMETR 0988.2	SEA	WIND-FOR	DURATION	2 SQUARE 44
LONG 045 45 W	HOUR 06.8	AREA 05	CLOUD T/A A/8	CL/TR	WEATHER A2	ORIG A3 06507	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.74	35.42	25.91	00.000	1513.3							
06.8	OBS	00000	16.74	35.41E	25.91		1513.3							
	STD	00010	17.23	35.67	25.99	00.021	1515.2							
	STD	00020	17.60	35.87	26.05	00.041	1516.7							
06.8	OBS	00024	17.71	35.932	26.07		1517.2							
	STD	00030	17.79	36.01	26.11	00.060	1517.6							
06.8	OBS	00049	17.94	36.175	26.20		1518.5							
	STD	00050	17.94	36.18	26.21	00.098	1518.5							
06.8	OBS	00074	17.92	36.233	26.25		1519.0							
	STD	00075	17.92	36.23	26.25	00.143	1515.0							
06.8	OBS	00098	17.88	36.245	26.27		1519.2							
	STD	00100	17.83	36.25	26.28	00.188	1519.1							
	STD	00125	17.26	36.25	26.43	00.231	1517.9							
06.8	OBS	00147	16.75	36.253	26.55		1516.7							
	STD	00150	16.68	36.24	26.56	00.271	1516.6							
	STD	00200	15.54	36.10	26.72	00.344	1513.7							
06.8	OBS	T00201	15.52	36.096	26.72		1513.7							
	STD	00250	14.35	35.91	26.83	00.412	1510.7							
	STD	00300	13.49	35.75	26.89	00.476	1508.4							
06.8	OBS	00300	13.49	35.755	26.89		1508.4							
06.8	OBS	T00358	12.45											
	STD	00400	12.43											
	STD	00500	10.92											
06.8	OBS	00501	10.90	35.424	27.14		1502.4							
	STD	00600	08.24	35.12	27.35		1493.9							
06.8	OBS	T00600	08.24	35.119	27.35		1493.9							
	STD	00700	06.66	35.08	27.52		1490.1							
06.8	OBS	00796	05.66	35.056	27.64		1487.7							
	STD	00800	05.64	35.06	27.64		1487.7							
	STD	00900	05.28	35.04	27.69		1487.1							
06.8	OBS	T00998	04.82	35.020	27.73		1486.8							
06.8	OBS	01499	03.76	34.930	27.76		1490.7							

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REFID 31 2704	YEAR 1975	BOTOP 04032	AIR TEMP 07.7	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SO 1306
CONSEC 0008	MONTH 11	SHIP HT	WET BULB 07.3	31 5 2	WIND-SPD 29	TRACE DIR	5 SQUARE 2
LAT 44 12 N	DAY 19	DATA USE 1	BAROMETR 0990.2	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 046 17 W	HOUR 11.9	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER A6	ORIG A3 06508	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.50	34.14	25.65	00.000	1501.5							
11.9	OBS	00000	13.50	34.144	25.65		1501.5							
	STD	00010	13.81	34.27	25.69	00.023	1502.8							
	STD	00020	14.15	34.43	25.72	00.046	1504.2							
	STD	00030	14.52	34.54	25.74	00.069	1505.6							
11.9	OBS	00044	15.09	34.716	25.75		1508.0							
	STD	00050	15.49	35.06	25.92	00.113	1509.8							
	STD	00075	16.66	36.12	26.47	00.159	1515.1							
11.9	OBS	T00078	16.74	36.214	26.52		1515.5							
	STD	00100	16.29	36.17	26.60	00.198	1514.5							
	STD	00125	15.72	36.11	26.68	00.234	1513.0							
	STD	00150	15.06	36.02	26.76	00.268	1511.3							
11.9	OBS	00151	15.05	36.017	26.76		1511.3							
	STD	00200	13.43	35.73	26.68	00.332	1506.5							
11.9	OBS	T00223	12.84	35.633	26.93		1504.8							
	STD	00250	12.46	35.61	26.99	00.392	1503.9							
11.9	OBS	00299	11.68	35.531	27.08		1501.9							
	STD	00300	11.66	35.53	27.08	00.447	1501.9							
11.9	OBS	T00365	10.47	35.364	27.17		1498.5							
	STD	00400	09.91	35.31	27.23	00.547	1497.0							
11.9	OBS	00483	08.12	35.142	27.39		1491.5							
	STD	00500	07.48	35.07	27.43	00.631	1489.2							
11.9	OBS	00562	05.14	34.844	27.56		1481.0							
	STD	00600	05.10	34.86	27.57	00.698	1481.1							
	STD	00700	04.85	34.94	27.66	00.754	1481.9							
11.9	OBS	T00780	04.66	35.003	27.74		1482.5							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2704	YEAR 1975	BOTOP 03952	AIR TEMP 05.6	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 11	SHIP HT	WET BULB 03.8	31 5 2	WIND-SPD 25	TRACE DIR	5 SQUARE 2
LAT 44 15 N	DAY 19	DATA USE 1	BARCMETR 0991.2	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 12 W	HOUR 16.8	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X1	ORIG A3 06509	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.85	33.62	25.92	00.000	1488.1							
16.8	OBS	00000	09.85	33.619	25.92		1488.1							
	STD	00010	10.13	33.64	25.89 *	00.021	1489.3							
	STD	00020	10.35	33.70	25.90	00.042	1490.3							
16.8	OBS	00028	10.50	33.785	25.94		1491.1							
	STD	00030	10.63	33.80	25.95	00.063	1491.3							
	STD	00050	10.74	34.18	26.21	00.102	1452.8							
16.8	OBS	00051	10.75	34.216	26.23		1492.9							
	STD	00075	10.38	35.49	27.28	00.135	1493.6							
16.8	OBS	00079		35.368										
	STD	00100	10.00	35.33	27.23 *	00.157	1492.5							
16.8	OBS	00102		35.311										
	STD	00125	09.83	35.24	27.22	00.179	1491.4							
	STD	00150	09.26	35.16	27.22	00.201	1450.4							
16.8	OBS	00153	09.22	34.97 P	27.080*									
	STD	00200	08.55	35.03	27.23	00.245	1488.3							
16.8	OBS	T00203	08.50	35.025	27.24		1488.2							
	STD	00250	07.14	34.90	27.34	00.287	1483.6							
	STD	00300	06.03	34.83	27.44	00.324	1479.9							
16.8	OBS	00305	05.94	34.828	27.45		1479.6							
	STD	00400	04.90	34.88	27.62	00.385	1477.0							
16.8	OBS	T00407	04.86	34.888	27.62		1477.0							
	STD	00500	04.99	34.98	27.68	00.435	1479.2							
16.8	OBS	00509	05.00	34.587	27.69		1479.4							
	STD	00600	04.70	34.99	27.72	00.482	1479.7							
16.8	OBS	T00610	04.67	34.989	27.73		1479.7							
	STD	00700	04.50	34.97	27.73	00.527	1480.5							
	STD	00800	04.31	34.96	27.74	00.572	1481.3							
16.8	OBS	T00818	04.27	34.954	27.74		1481.4							
	STD	00900	04.08	34.94	27.75	00.616	1482.0							
	STD	01000	03.88	34.92	27.76	00.661	1482.8							
16.8	OBS	T01021	03.85	34.919	27.76		1483.0							
	STD	01100	03.74	34.92	27.77	00.705	1483.9							
	STD	01200	03.65	34.92	27.78	00.748	1485.2							
	STD	01300	03.60	34.92	27.79	00.791	1486.7							
16.8	OBS	01345	03.60	34.925	27.79		1487.4							

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REFID 31 2704	YEAR 1975	BOTOP 03770	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 11	SHIP HT	WET BULB 03.8	30 3 5	WIND-SPD 12	TRACE DIR	5 SQUARE 2
LAT 44 19 N	DAY 19	DATA USE 1	BARCMETR 0992.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 31 W	HOUR 15.3	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER A7	ORIG A3 06510	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.38	33.48	28.19	00.000	1478.6							
19.3	OBS	00000	07.38	33.484	26.19		1478.6							
	STD	00010	07.35	33.50	26.21	00.018	1478.6							
	STD	00020	07.31	33.53	26.24	00.036	1478.7							
19.3	OBS	00029	07.28	33.555	26.27		1478.7							
	STD	00030	07.15	33.56	26.29	00.054	1478.2							
	STD	00050	05.00	33.65	26.63	00.086	1470.0							
19.3	OBS	00054	04.67	33.678	26.69		1468.8							
	STD	00075	03.62	33.87	26.95	00.117	1465.0							
19.3	OBS	00084	03.34	33.975	27.06		1464.1							
	STD	00100	03.13	34.21	27.27	00.142	1463.7							
19.3	OBS	00108	03.06	34.308	27.35		1463.7							
	STD	00125	03.12	34.38	27.40	00.161	1464.3							
	STD	00150	03.21	34.50	27.49	00.177	1465.3							
19.3	OBS	00163	03.25	34.555	27.53		1465.8							
	STD	00200	04.35	34.76	27.58	00.206	1471.3							
19.3	OBS	T00218	04.68	34.824	27.59		1473.0							
	STD	00250	04.36	34.83	27.63	00.232	1472.2							
	STD	00300	04.01	34.84	27.68	00.255	1471.6							
19.3	OBS	00327	03.91	34.858	27.70		1471.7							
	STD	00400	04.04	34.92	27.74	00.298	1473.5							
19.3	OBS	T00435	04.06	34.933	27.75		1474.2							
	STD	00500	03.97	34.93	27.76	00.339	1474.9							
19.3	OBS	00544	03.91	34.930	27.76		1475.4							
	STD	00600	03.84	34.94	27.77	00.378	1476.0							
19.3	OBS	T00653	03.78	34.941	27.78		1476.6							
	STD	00700	03.73	34.94	27.78	00.417	1477.2							
	STD	00800	03.65	34.93	27.78	00.456	1478.5							
19.3	OBS	T00876	03.60	34.920	27.79		1479.6							
	STD	00900	03.59												
	STD	01000	03.54												
19.3	OBS	T01094	03.51												
19.3	OBS	T01638	03.61	34.969	27.82		1492.4							

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Table IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

FSFIO 31 2T04	YEAR 1975	BCTDP 03669	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SO 1306
CONSEC 0011	MONTH 11	SHIP HT	WET BULB 02.7	33 1 4	WIND-SPD 25	TRACE DIR	5 SQUARE 2
14° 44 23 N	DAY 19	DATA USE 1	BAROMETR 0992.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 54 W	HOUR 22.2	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X2	ORIG A3 06511	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	08.02	33.45	26.07	00.000	1481.0							
22.2	OBS	00000	08.02	33.448	26.07		1481.0							
	STD	00010	08.01	33.46	26.08	00.019	1481.1							
22.2	OBS	00019	08.01	33.463	26.09		1481.3							
	STD	00020	08.01	33.46	26.09	00.039	1481.3							
	STD	00030	07.97	33.47	26.10	00.058	1481.3							
22.2	OBS	00038	07.94	33.468	26.10		1481.3							
	STD	00050	06.29	33.51	26.36	00.094	1475.1							
22.2	OBS	00058	05.38	33.579	26.53		1471.6							
	STD	00075	03.91	33.86	26.91	00.130	1466.2							
22.2	OBS	00077	03.79	33.894	26.95		1465.7							
	STD	00100	03.81	34.31	27.28	00.154	1466.8							
22.2	OBS	00115	03.82	34.495	27.42		1467.3							
	STD	00125	03.77	34.53	27.46	00.172	1467.3							
	STD	00150	03.65	34.63	27.55	00.187	1467.4							
22.2	OBS	T00157	03.62	34.655	27.58		1467.4							
	STD	00200	04.46	34.87	27.65	00.213	1471.9							
22.2	OBS	00234	04.82	34.964	27.69		1474.1							
	STD	00250	04.78	34.97	27.69	00.236	1474.2							
	STD	00300	04.69	34.97	27.71	00.258	1474.6							
22.2	OBS	T00310	04.68	34.969	27.71		1474.8							
22.2	OBS	00391	04.61	34.996	27.74		1475.8							
	STD	00400	04.59	35.00	27.74	00.300	1475.9							
22.2	OBS	T00467	04.44	34.997	27.76		1476.4							
	STD	00500	04.24	34.96	27.76	00.340	1476.1							
	STD	00600	03.85	34.94	27.77	00.380	1476.0							
22.2	OBS	00620	03.81	34.931	27.77		1476.2							
	STD	00700	03.87	34.94	27.77	00.419	1477.8							
22.2	OBS	T00776	03.90	34.938	27.77		1479.2							
22.2	OBS	T01235	03.61	34.925	27.79		1485.6							

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FEFIC 31 2T04	YEAR 1975	BDTOP 02744	AIR TEMP 03.8	DIR HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SO 1306
CONSEC 0012	MONTH 11	SHIP HT	WET BULB 02.8	31 2 3	WIND-SPD 09	TRACE DIR	5 SQUARE 2
14° 44 23 N	DAY 20	DATA USE 1	BAROMETR 0994.6	SE4	WIND-FOR	CURATION	2 SQUARE 46
LONG 047 52 W	HOUR 01.4	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X7	ORIG A3 06512	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	08.18	33.39	26.01	00.000	1481.5							
01.4	OBS	00000	08.18	33.393	26.01		1481.5							
	STD	00010	08.17	33.39	26.01	00.020	1481.6							
	STD	00020	08.16	33.40	26.01	00.040	1481.8							
01.4	OBS	00025	08.15	33.398	26.02		1481.8							
	STD	00030	07.91	33.43	26.07	00.060	1481.0							
	STD	00050	06.46	33.69	26.48	00.095	1476.0							
01.4	OBS	00050	06.46	33.687	26.48		1476.0							
	STD	00075	03.57	34.35	27.33	00.124	1465.4							
01.4	OBS	00075	03.57	34.346	27.33		1465.4							
	STD	00100	03.65	34.47	27.43	00.142	1466.3							
01.4	OBS	00100	03.65	34.474	27.43		1466.3							
	STD	00125	03.81	34.56	27.46	00.158	1467.5							
	STD	00150	03.99	34.65	27.53	00.173	1468.8							
01.4	OBS	00150	03.99	34.648	27.53		1468.8							
	STD	00200	04.45	34.84	27.63	00.200	1471.8							
01.4	OBS	T00205	04.48	34.849	27.64		1472.0							
	STD	00250	04.38	34.87	27.67	00.224	1472.4							
	STD	C0300	04.28	34.89	27.69	00.247	1472.8							
01.4	OBS	00305	04.27	34.893	27.69		1472.9							
	STD	00400	04.12	34.90	27.71	00.291	1473.8							
01.4	OBS	T00405	04.12	34.897	27.71		1473.9							
	STD	00500	04.14	34.95	27.75	00.332	1475.6							
01.4	OBS	00510	04.14	34.953	27.76		1475.8							
	STD	00600	04.00	34.94	27.76	00.373	1476.7							
01.4	OBS	T00610	03.98	34.944	27.77		1476.6							
	STD	00700	03.82	34.94	27.76	00.413	1477.6							
	STD	00800	03.71	34.93	27.76	00.452	1478.8							
01.4	OBS	T00810	03.70	34.932	27.78		1478.9							
	STC	00900	03.71	34.93	27.76	00.452	1480.4							
	STD	01000	03.72	34.92	27.76	00.534	1482.1							
01.4	OBS	T01015	03.72	34.924	27.78		1482.4							
01.4	OBS	T01525	03.54	34.953	27.82		1490.2							

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TABLE IV. USCGC HAMILTON, November, 1977.— Continued

NODC STATION DATA

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REFIO  31   2704     YEAR 1575    BOTOP 03218   AIR TEMP   03.3    DIR HGT PER    WIND-DIR 29   INST NANSEN CAST     TEN SQ 1306
CONSEC     0013      MONTH  11    SHIP HT       WET BULB   01.6    29   1   3    WIND-SPD 25   TRACE DIR            5 SQUARE  2
LAT    44 27 N      DAY    20    DATA USE  1   BARDMETR 0994.2   SEA            WIND-FOR      DURATION             2 SQUARE 46
LONG   048 21 W     HOUR 04.0    AREA      05   CLOUD T/A   3/5   CL/TR          WEATHER  X1   ORIG A3 06513        1 SQUARE 48
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	08.26	33.40	26.00	00.000	1481.8							
04.0	OBS	00000	08.26	33.397	26.00		14E1.8							
	STO	00010	08.25	33.40	26.00	00.020	1482.0							
	STO	00020	08.24	33.40	26.00	00.040	1482.1							
04.0	OBS	00023	08.24	33.395	26.00		1482.1							
	STO	00030	08.24	33.39	26.00	00.061	1482.2							
04.0	OBS	00046	08.23	33.393	26.00		1482.5							
	STO	00050	07.86	33.42	26.07	00.100	1481.1							
04.0	OBS	00070	06.02	33.626	26.49		1474.5							
	STO	00075	05.46	33.72	26.63	00.143	1472.4							
04.0	OBS	00093	03.94	34.025	27.04		1468.8							
	STO	00100	03.88	34.13	27.13	00.172	1466.8							
	STO	00125	03.73	34.43	27.38	00.193	1467.0							
04.0	OBS	00140	03.68	34.551	27.48		1467.2							
	STO	00150	03.69	34.58	27.51	00.210	1467.4							
04.0	OBS	T00152	03.73	34.687	27.59		1468.5							
	STO	00200	03.73	34.70	27.60	00.236	1468.6							
	STO	00250	03.81	34.79	27.66	00.262	1469.9							
04.0	OBS	00288	03.94	34.848	27.69		1471.1							
	STO	00300	04.07	34.87	27.70	00.285	1471.5							
04.0	OBS	T00384	04.58	34.980	27.73		1475.6							
	STO	00400	04.51	34.97	27.73	00.327	1475.6							
04.0	OBS	00486	04.15	34.941	27.74		1475.6							
	STO	00500	04.13	34.94	27.74	00.369	1475.6							
04.0	OBS	00584	03.88	34.915	27.76		1475.9							
	STO	00600	03.88	34.92	27.76	00.410	1476.2							
	STO	00700	03.89	34.93	27.77	00.451	1477.9							
04.0	OBS	T00781	03.90	34.935	27.77		1479.3							
	STO	00800	03.89	34.94	27.77	00.492	1479.5							
	STO	00900	03.81	34.93	27.77	00.533	1480.9							
04.0	OBS	T00985	03.76	34.932	27.78		1482.1							
04.0	OBS	01494	03.57	34.535	27.80		1489.8							

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REFIO  31   2704     YEAR 1575    BOTOP 02950   AIR TEMP   03.3    DIR HGT PER    WIND-DIR 29   INST NANSEN CAST     TEN SQ 1306
CONSEC     0014      MONTH  11    SHIP HT       WET BULB   01.7    31   1   4    WIND-SPD 19   TRACE DIR            5 SQUARE  2
LAT    44 31 N      DAY    20    DATA USE  1   BARDMETR 0594.9   SEA            WIND-FOR      DURATION             2 SQUARE 48
LONG   048 36 W     HOUR 06.4    AREA      05   CLOUD T/A   3/4   CL/TR          WEATHER  X1   ORIG A3 06514        1 SQUARE 48
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	07.77	33.41	26.09	00.000	1480.0							
06.4	OBS	C0000	07.77	33.415	26.09		1480.0							
	STO	00010	07.76	33.41	26.09	00.019	1480.1							
06.4	OBS	00015	07.75	33.415	26.09		1480.2							
	STO	00020	07.75	33.42	26.09	00.039	1480.2							
	STO	00030	07.75	33.42	26.09	00.058	1480.4							
06.4	OBS	00037	07.75	33.418	26.09		1480.5							
	STO	00050	06.60	33.57	26.37	00.094	1476.4							
06.4	OBS	00055	06.07	33.648	26.50		1474.5							
06.4	OBS	00074	03.61	34.090	27.12		1465.2							
	STO	00075	03.68	34.12	27.14	00.127	1465.6							
	STO	00100	05.06	34.63	27.39	00.148	1472.4							
06.4	OBS	00112	05.43	34.778	27.47		1474.3							
	STO	00125	05.40	34.80	27.49	00.164	1474.5							
	STO	00150	05.32	34.85	27.54	00.179	1474.6							
06.4	OBS	T00152	05.31	34.850	27.54		1474.6							
	STO	00200	04.94	34.89	27.61	00.206	1473.9							
06.4	OBS	00226	04.82	34.904	27.64		1473.9							
	STO	00250	04.82	34.92	27.65	00.231	1474.3							
	STO	00300	04.82	34.95	27.67	00.254	1475.1							
06.4	OBS	T00301	04.82	34.946	27.67		1475.2							
06.4	OBS	00378	04.59	34.953	27.71		1475.5							
	STO	00400	04.59	34.97	27.72	00.299	1475.9							
06.4	OBS	T00452	04.60	34.983	27.73		1476.8							
	STO	00500	04.35	34.96	27.74	00.342	1476.5							
	STO	00600	03.97	34.92	27.75	00.384	1476.5							
06.4	OBS	00602	03.96	34.922	27.75		1476.5							
	STO	00700	03.81	34.91	27.76	00.425	1477.5							
06.4	OBS	00765	03.72	34.907	27.76		1478.2							
06.4	OBS	T01191	03.48	34.904	27.78		1484.3							

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Table IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2704	YEAR 1975	BOTOP 01760	AIR TEMP 01.6	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1306
CONSEC 0015	MONTH 11	SHIP HT	WET BULB 01.1	30 1 3	WIND-SPD 20	TRACE DIR	5 SQUARE 2
LAT 44 35 N	DAY 20	DATA USE 1	BAROMETR 0997.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 46 W	HOUR 09.5	AREA 05	CLOUD T/A A/8	CL/TR	WEATHER A7	ORIG A3 06515	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.65	33.43	26.11	00.000	1479.5							
09.5	OBS	00000	07.65	33.431	26.11		1479.5							
	STD	00010	07.64	33.43	26.12	00.019	1479.6							
	STD	00020	07.62	33.43	26.12	00.038	1479.8							
09.5	OBS	00024	07.62	33.431	26.12		1479.8							
	STD	00030	07.16	33.53	26.26	00.057	1478.2							
09.5	OBS	00049	05.93	33.803	26.64		1474.0							
	STD	00050	05.89	33.82	26.65	00.088	1473.9							
09.5	OBS	00074	04.84											
	STD	00075	04.79	34.11	27.02	00.119	1470.2							
09.5	OBS	00098	03.86	34.331	27.29		1467.0							
	STD	00100	03.86	34.34	27.30	00.142	1467.0							
	STD	00125	03.80	34.44	27.38	00.161	1467.3							
	STD	00150	03.75	34.52	27.45	00.178	1467.6							
	STD	00200	03.64	34.66	27.57	00.208	1468.2							
09.5	OBS	T00202	03.64	34.662	27.58		1468.2							
	STD	00250	03.71	34.73	27.62	00.234	1469.4							
	STD	00300	03.85	34.80	27.66	00.258	1470.9							
09.5	OBS	00301	03.85	34.800	27.66		1470.9							
	STD	00400	04.35	34.93	27.71	00.303	1474.8							
09.5	OBS	T00401	04.36	34.526	27.71		1474.9							
	STD	00500	03.58	34.84	27.72	00.346	1473.1							
09.5	OBS	C0504	03.56	34.837	27.72		1473.1							
	STD	00600	03.48	34.83	27.73	00.389	1474.3							
09.5	OBS	T00603	03.48	34.834	27.73		1474.4							
	STD	00700	03.47	34.85	27.74	00.432	1476.0							
	STD	00800	03.45	34.85	27.75	00.474	1477.6							
09.5	OBS	00801	03.45	34.855	27.75		1477.6							
	STD	00900	03.35	34.85	27.75	00.517	1478.8							
	STD	C1000	03.27	34.84	27.76	00.559	1480.1							
09.5	OBS	T01034	03.27	34.844	27.76		1480.2							
09.5	OBS	T01682	03.45	34.894	27.78		1492.4							

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REFID 31 2704	YEAR 1975	BOTOP 00081	AIR TEMP 02.6	DIR HGT PER	WIND-DIR 29	INST NANSEN CAST	TEN SQ 1306
CONSEC 0016	MONTH 11	SHIP HT	WET BULB 01.7	30 3 2	WIND-SPD 20	TRACE DIR	5 SQUARE 2
LAT 44 36 N	DAY 20	DATA USE 1	BAROMETR 0998.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 049 06 W	HOUR 14.8	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG A3 06516	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.17	33.25	26.58	00.000	1456.6							
14.8	OBS	00000	02.17	33.251	26.58		1456.6							
	STD	00010	02.11	33.53	26.81	00.014	1456.9							
	STD	00020	01.98	33.72	26.97	00.025	1456.8							
14.8	OBS	00025	01.89	33.786	27.03		1456.5							
	STD	00030	01.74	33.79	27.05	00.036	1456.0							
	STD	00050	01.14	33.81	27.10	00.056	1453.6							
14.8	OBS	00050	01.14	33.811	27.10		1453.6							
14.8	OBS	00070	00.51	33.872	27.19		1451.2							

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REFID 31 2704	YEAR 1975	BOTOP 00056	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1306
CONSEC 0017	MONTH 11	SHIP HT	WET BULB 01.2	30 4 3	WIND-SPD 18	TRACE DIR	5 SQUARE 2
LAT 44 34 N	DAY 20	DATA USE 1	BAROMETR 0998.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 049 16 W	HOUR 23.3	AREA 05	CLOUD T/A 8/5	CL/TR	WEATHER X1	ORIG A3 06517	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.78	33.37	26.71	00.000	1455.1							
	OBS	00000	01.78	33.374	26.71		1455.1							
	STD	00010	01.72	33.39	26.73	00.013	1455.0							
	STD	00020	01.65	33.43	26.77	00.026	1454.9							
	OBS	00025	01.61	33.460	26.79		1454.8							
	STD	00030	01.57	33.49	26.82	00.039	1454.8							
	STD	00050	01.37	33.67	26.98	00.062	1454.5							
	OBS	00050	01.37	33.671	26.98		1454.5							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

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REFIO 31  2705      YEAR 1975     BOTOP 00058    AIR TEMP   05.5     OIR HGT PER     WIND-DIR 29     INST HANSEN CAST     TEN SQ 1307
CONSEC    0301      MONTH 11      SHIP HT        WET BULB   03.9     28  5   A       WIND-SPO 30     TRACE CIR            5 SQUARE  1
LAT   43 10 N       DAY   20      DATA USE  1    BARCMETR 1005.4     SEA             WIND-FOR        CURATION             2 SQUARE 20
LONG  050 15 W      HOUR 23.3     AREA      05   CLOUD T/A  8/5      CL/TR           WEATHER  A7     ORIG  A4 03301       1 SQUARE 30
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CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	06.99	32.51	25.48	00.000	1475.7							
23.3	085	00000	06.99	32.512	25.48		1475.7							
	STO	00010	06.99	32.51	25.48	00.025	1475.9							
	STO	00020	06.99	32.51	25.48	00.050	1476.1							
23.3	085	00025	06.99	32.509	25.48		1476.1							
	STO	00030	06.51	32.55	25.58	00.075	1474.4							
	STO	00050	03.01	32.87	26.21	00.117	1460.6							
23.3	085	00050	03.01	32.869	26.21		1460.6							

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REFIO 31  2705      YEAR 1975     BOTOP 00093    AIR TEMP   06.1     OIR HGT PER     WIND-DIR 29     INST HANSEN CAST     TEN SQ 1307
CONSEC    0002      MONTH 11      SHIP HT        WET BULB   03.9     29  4   2       WIND-SPO 30     TRACE OIR            5 SQUARE  1
LAT   43 01 N       DAY   21      DATA USE  1    BARCMETR 1007.4     SEA             WIND-FOR        CURATION             2 SQUARE 20
LONG  050 22 W      HOUR 01.2     AREA      05   CLOUD T/A  8/8      CL/TR           WEATHER  A2     ORIG  A4 03302       ? SQUARE 30
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CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	06.42	32.56	25.60	00.000	1473.5							
01.2	085	00000	06.42	32.558	25.60		1473.5							
	STO	00010	06.36	32.59	25.62	00.024	1473.5							
	STO	00020	06.30	32.61	25.65	00.047	1473.5							
01.2	085	00025	06.27	32.627	25.67		1473.4							
	STO	00030	05.76	32.73	25.81	00.070	1471.6							
	STO	00050	03.93	33.08	26.29	00.110	1464.8							
01.2	085	00050	03.93	33.076	26.29		1464.8							
01.2	085	00071	02.39	33.332	26.63		1458.9							

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REFIC 31  2705      YEAR 1975     BOTOP 00823    AIR TEMP   05.5     OIR HGT PER     WIND-DIR 30     INST HANSEN CAST     TEN SQ 1307
CONSEC    0003      MONTH 11      SHIP HT        WET BULB   05.5     29  4   4       WIND-SPO 28     TRACE OIR            5 SQUARE  1
LAT   42 49 N       DAY   21      DATA USE  1    BARCMETR 1007.5     SEA             WIND-FOR        CURATION             2 SQUARE 20
LONG  053 18 W      HOUR 03.5     AREA      05   CLOUD T/A  A/8      CL/TR           WEATHER  A7     ORIG  A4 03303       1 SQUARE 20
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CASTNUM/TIME	LVLTYP	OEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NC3	SIO3	PH
	STO	00000	09.95	33.79	26.04	00.000	1488.7							
03.5	085	00000	09.95	33.793	26.04		1488.7							
	STO	00010	09.93	33.78	26.03	00.020	1488.7							
	STO	00020	09.91	53.77	26.03	00.040	1488.8							
03.5	085	00023	09.90	33.769	26.03		1488.8							
	STO	00030	11.08	34.29	26.23	00.059	1493.9							
03.5	085	00046	12.78	35.150	26.57		1501.1							
	STO	00050	12.78	35.27	26.66	00.091	1501.3							
03.5	085	00069	12.77	35.570	26.90		1501.9							
	STC	00075	12.53	35.54	26.92	00.123	1501.2							
03.5	085	00092	11.55	35.391	27.00		1497.9							
	STO	00100	10.54	35.25	27.07	00.150	1494.3							
	STO	00125	07.81	34.87	27.22	00.174	1484.1							
03.5	085	00138	06.64	34.722	27.27		1479.5							
	STO	00150	05.82	34.65	27.32	00.195	1476.4							
03.5	085	T00190	03.64	34.470	27.42		1467.7							
	STO	00200	03.37	34.46	27.44	00.231	1466.4							
	STO	00250	02.29	34.41	27.50	00.263	1462.8							
03.5	085	T00282	01.81	34.392	27.52		1461.2							
	STO	00300	01.85	34.41	27.53	00.293	1461.7							
	STO	00400	02.16	34.50	27.58	00.346	1464.9							
03.5	085	T00472	02.45	34.580	27.60		1468.6							
	STO	00500	02.61	34.59	27.61	00.401	1468.6							
03.5	085	00565	02.92	34.645	27.63		1471.1							
	STO	00600	03.06	34.67	27.64	00.452	1472.3							
	STO	00700	03.34	34.75	27.68	00.501	1475.3							
03.5	085	T00741	03.41	34.782	27.69		1476.3							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NCOC STATION DATA

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REFID  31  2705     YEAR 1975     BDTOP 01628     AIR TEMP   07.2     DIR HGT PER     WIND-DIR 32     INST NANSEN CAST     TEN SQ 1307
CONSEC    0004       MONTH  11      SHIP HT         WET BULB   05.0      30   4   3     WIND-SPD 20     TRACE CIR             5 SQUARE  1
LAT    42 40 N      DAY    21      DATA USE  1     BAROMETR 1010.2     SEA             WIND-FOR        DURATION             2 SQUARE 20
LONG   050 20 W     HOUR 05.8      AREA      05    CLOUD T/A   A/7     CL/TR           WEATHER  X7     ORIG  A4 03304        1 SQUARE 20
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.65	33.27	25.68	00.000	1486.6							
05.8	OBS	00000	09.65	33.266	25.68		1486.9							
	STD	00010	09.32	33.25	25.72	00.023	1485.8							
	STD	00020	08.99	33.24	25.76	00.046	1484.7							
05.8	OBS	00024		33.232										
	STD	00030	08.87	33.25	25.82	00.066	1483.7							
05.8	OBS	00047	08.11	33.294	25.94		1481.9							
	STD	00050	07.48	33.31	26.04	00.110	1479.5							
05.8	OBS	00071	04.82	33.552	26.59		1468.7							
	STD	00075	04.60	33.65	26.68	00.152	1468.8							
05.8	OBS	00094	04.56	34.076	27.01		1469.5							
	STD	00100	04.77	34.13	27.04	00.182	1470.5							
	STD	00125	05.50	34.34	27.12	00.207	1474.2							
	STD	00150	06.03	34.51	27.19	00.231	1477.0							
05.8	OBS	T00193	06.47	34.721	27.29		1479.8							
	STD	00200	06.40	34.73	27.31	00.274	1479.6							
	STD	00250	05.83	34.76	27.41	00.312	1478.2							
05.8	OBS	T00287	05.38	34.777	27.48		1476.9							
	STD	00300	05.03	34.78	27.52	00.345	1475.8							
05.8	OBS	T00381	03.56	34.771	27.63		1472.7							
	STD	00400	04.27	34.83	27.65	00.400	1474.3							
05.8	OBS	T00480	04.98	34.987	27.69		1478.8							
	STD	00500	04.89	34.98	27.69	00.449	1478.8							
05.8	OBS	T00574	04.62	34.967	27.71		1478.9							
	STD	00600	04.60	34.97	27.72	00.495	1479.2							
	STD	00700	04.51	34.97	27.73	00.540	1480.5							
05.8	OBS	00763	04.42	34.968	27.74		1481.2							
	STD	00800	04.33	34.96	27.74	00.585	1481.4							
	STD	00900	04.11	34.95	27.76	00.630	1482.1							
05.8	OBS	00956	04.01	34.945	27.76		1482.6							
05.8	OBS	T01436	03.82	34.953	27.79		1489.9							

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REFID  31  2705     YEAR 1975     BDTOP 02116     AIR TEMP   07.8     DIR HGT PER     WIND-DIR 31     INST NANSEN CAST     TEN SQ 1307
CONSEC    0005       MONTH  11      SHIP HT         WET BULB   05.0      31   7   3     WIND-SPD 25     TRACE DIR             5 SQUARE  1
LAT    42 35 N      DAY    21      DATA USE  1     BAROMETR 1013.2     SEA             WIND-FOR        DURATION             2 SQUARE 20
LONG   050 16 W     HOUR 08.1      AREA      05    CLOUD T/A   8/5     CL/TR           WEATHER  X1     ORIG  A4 03305        1 SQUARE 20
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.15	33.00	25.35	00.000	1488.4							
08.1	OBS	00000	10.15	33.005	25.39		1488.4							
	STD	00010	10.07	33.00	25.40	00.026	1488.2							
	STD	00020	09.98	33.00	25.42	00.052	1488.1							
08.1	OBS	00024	09.95	32.999	25.42		1488.0							
	STD	00030	08.98	33.03	25.60	00.077	1484.6							
08.1	OBS	00047	06.89	33.127	26.01		1476.1							
	STD	00050	06.39	33.15	26.07	00.120	1475.0							
08.1	OBS	00071	04.64	33.341	26.42		1468.5							
	STD	00075	04.41	33.38	26.48	00.164	1467.6							
08.1	OBS	00095	03.43	33.553	26.71		1464.0							
	STD	00100	03.30	33.60	26.76	00.200	1463.6							
	STD	00125	02.75	33.80	26.98	00.230	1462.0							
	STD	00150	02.37	33.99	27.16	00.255	1461.0							
08.1	OBS	T00194	02.08	34.261	27.40		1460.8							
	STD	00200	02.12	34.28	27.41	00.296	1461.1							
	STD	00250	02.62	34.47	27.51	00.328	1464.3							
08.1	OBS	T00289	03.16	34.608	27.58		1467.5							
	STD	00300	03.50	34.66	27.59	00.356	1469.2							
08.1	OBS	T00383	05.03	34.551	27.65		1477.4							
	STD	00400	04.90	34.95	27.67	00.406	1477.1							
08.1	OBS	T00483	04.48	34.958	27.72		1476.8							
	STD	00500	04.47	34.96	27.73	00.452	1477.0							
08.1	OBS	T00578	04.42	34.971	27.74		1478.1							
	STD	00600	04.40	34.97	27.74	00.495	1478.4							
	STD	00700	04.30	34.96	27.75	00.536	1479.6							
08.1	OBS	T00767	04.24	34.961	27.75		1480.5							
	STD	00800	04.22	34.96	27.75	00.582	1481.0							
	STD	00900	04.17	34.97	27.76	00.625	1482.4							
08.1	OBS	T00961	04.13	34.970	27.77		1483.3							
08.1	OBS	T01444	03.75	34.936	27.78		1489.7							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

MODC STATION DATA

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REFIO  31  2705     YEAR 1975    BOTOP 03381   AIR TEMP   09.4   DIR HGT PER   WIND-DIR 29   INST HANSEN CAST    TEN SO 1307
CONSEC     0006     MONTH  11    SHIP HT       WET BULB   08.0    29   4   4   WIND-SPO 23   TRACE DIR           5 SQUARE  1
LAT    42 08  N     DAY    21    DATA USE  1   BAROMETR 1015.2   SEA            WIND-FOR      DURATION            2 SQUARE 20
LONG  050 17  W     HOUR 12.3    AREA     05   CLOUD T/A   3/3   CL/TR          WEATHER  X3   ORIG  A4 03306      1 SQUARE 20
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	AO2	NO3	SIO3	PH
	STO	C0000	09.55	33.08	25.55	00.000	1486.4							
12.3	OBS	00000	09.59	33.085	25.55		1486.4							
	STO	00010	09.60	33.08	25.54	00.025	1486.6							
12.3	OBS	00019	09.60	33.076	25.54		1486.8							
	STO	00020	10.00	33.16	25.53	00.049	1488.3							
	STO	00030	12.53	33.70	25.56	00.074	1498.2							
12.3	OBS	00038	12.66	34.051	25.74		1499.2							
	STO	C0050	07.83	33.98	26.52	00.113	1481.8							
12.3	OBS	00056	06.81	33.940	26.63		1477.8							
12.3	OBS	00074	09.34	34.821	26.94		1488.9							
	STO	00075	09.29	34.81	26.95	00.147	1486.8							
	STO	00100	08.29	34.69	27.01	00.174	1485.2							
	STO	00125	07.55	34.62	27.06	00.201	1482.8							
12.3	OBS	T00148	07.12	34.605	27.11		1481.4							
	STO	00150	07.12	34.62	27.12	00.226	1481.5							
	STO	00200	07.21	34.81	27.26	00.271	1482.9							
12.3	OBS	00218	07.24	34.836	27.28		1483.4							
	STO	00250	06.38	34.72	27.30	00.313	1480.3							
12.3	OBS	T00287	05.76	34.683	27.35		1478.4							
	STO	00300	05.74	34.74	27.40	00.352	1478.6							
12.3	OBS	00354	05.66	34.875	27.52		1479.4							
	STO	00400	04.72	34.80	27.57	00.416	1476.2							
12.3	OBS	T00419	04.46	34.788	27.59		1475.4							
	STO	00500	04.64	34.92	27.65	00.470	1478.5							
12.3	OBS	00555	04.52	34.975	27.69		1479.8							
	STO	00600	04.74	34.97	27.70	00.515	1479.8							
	STO	00700	04.39	34.95	27.72	00.565	1480.0							
12.3	OBS	T00703	04.38	34.947	27.72		1480.0							
	STO	00800	04.10	34.93	27.74	00.610	1480.4							
	STO	00900	03.88	34.91	27.75	00.655	1481.1							
	STO	01000	03.72	34.90	27.76	00.699	1482.1							
	STO	01100	03.62	34.88	27.75	00.743	1483.3							
12.3	OBS	T01103	03.62	34.882	27.75		1483.4							

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REFIO  31  2705     YEAR 1975    BOTOP 02928   AIR TEMP   11.1   DIR HGT PER   WIND-DIR 31   INST HANSEN CAST    TEN SO 1307
CONSEC     0007     MONTH  11    SHIP HT       WET BULB   09.4    29   4   2   WIND-SPO 16   TRACE DIR           5 SQUARE  1
LAT    41 49  N     DAY    21    DATA USE  I   BAROMETR 1017.9   SEA            WIND-FOR      DURATION            2 SQUARE 00
LONG  050 18  W     HOUR 15.3    AREA     05   CLCUD T/A         CL/TP          WEATHER  X0   ORIG  A4 03307      1 SQUARE 10
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000		33.61										
15.3	OBS	C0000		33.608										
	STO	00010		33.61										
	STO	00020		33.61										
15.3	OBS	00022	11.36	33.607	25.65		1493.8							
	STO	00030	12.90	34.03	25.68		1499.8							
15.3	OBS	00044	14.74	34.747	25.85		1507.0							
	STO	00050	15.13	35.17	26.09		1508.8							
15.3	OBS	00066	15.41	35.640	26.55		1510.8							
	STO	00075	14.76	35.76	26.63		1508.8							
15.3	OBS	00088	13.95	35.668	26.73		1506.3							
	STO	00100	13.77	35.65	26.76		1505.9							
	STO	00125	13.39	35.62	26.81		1505.0							
	STO	00150	12.99	35.58	26.86		1504.0							
15.3	OBS	T00180	12.50	35.530	26.92		1502.8							
	STO	00200	12.20	35.49	26.95		1502.1							
	STO	00250	11.31	35.39	27.04		1499.7							
15.3	OBS	T00271	10.87	35.342	27.08		1498.4							
	STO	00300	10.06	35.24	27.15		1495.8							
15.3	OBS	T00363	08.48	35.077	27.28		1490.8							
	STO	00400	07.65	35.03	27.37		1488.2							
15.3	OBS	700461	06.56	34.974	27.48		1484.9							
	STO	00500	06.08	34.97	27.54		1483.6							
15.3	OBS	T00554	05.55	34.973	27.61		1482.3							
	STO	00600	05.38	34.97	27.63		1482.4							
	STO	00700	05.00	34.97	27.68		1482.5							
15.3	OBS	T00743	04.82	34.974	27.70		1482.5							
	STO	00800	04.52	34.95	27.71		1482.2							
	STO	C0900	04.09	34.91	27.72		1482.0							
15.3	OBS	00939	03.95	34.893	27.73		1482.0							
15.3	OBS	T01440	03.64	34.894	27.76		1489.1							

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TABLE IV.   USCGC HAMILTON, November, 1977.--Continued

N O O C   S T A T I O N   D A T A

REFID	31	2705	YEAR 1975	BOTOP 01845	AIR TEMP	15.6	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SO 1307
CONSEC		0008	MONTH 11	SHIP HT	WET BULB	13.3	30 2 X	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT	41 21	N	DAY 21	DATA USE 1	BAROMETR 1026.4		SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG	050 21	W	HOUR 15.0	AREA 05	CLCUO T/A	8/1	CL/TR	WEATHER X1	ORIG A4 03308	3 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	14.89	34.67	25.76	00.000	1506.6							
19.0	OBS	00000	14.89	34.672	25.76		1506.6							
	STO	00010	16.03	35.06	25.81	00.022	1510.8							
	STO	00020	16.87	35.36	25.84	00.044	1513.9							
19.0	OBS	00023	17.07	35.42C	25.84		1514.6							
	STO	00030	17.33	35.52	25.85	00.066	1515.6							
19.0	OBS	00046	17.70	35.656	25.87		1517.2							
	STO	00050	17.70	35.66	25.87	00.109	1517.2							
19.0	OBS	00065	17.68	35.667	25.88		1517.5							
	STO	00075	17.52	35.82	26.04	00.161	1517.3							
19.0	OBS	00092	17.02	36.140	26.40		1516.5							
	STO	00100	16.72	36.11	26.45	00.208	1515.7							
	STO	00125	15.83	36.03	26.60	00.245	1513.3							
19.0	OBS	00143	15.25	35.963	26.68		1511.7							
	STO	00150	15.03	35.93	26.70	00.281	1511.2							
19.0	OBS	T00188	14.02	35.778	26.80		1508.3							
	STO	00200	13.70	35.74	26.84	00.348	1507.4							
	STO	00250	12.46	35.58	26.96	00.410	1503.5							
19.0	OBS	00275	11.81	35.493	27.03		1502.0							
	STO	00300	11.45	35.44	27.05	00.466	1501.0							
19.0	OBS	T00371	10.07	35.275	27.17		1497.1							
	STO	00400	09.34	35.20	27.24	00.567	1494.8							
19.0	OBS	00467	07.80	35.061	27.37		1489.5							
	STO	00500	07.04	35.00	27.43	00.650	1487.4							
19.0	OBS	00559	05.99	34.928	27.52		1484.1							
	STO	00600	05.86	34.96	27.56	00.718	1484.4							
	STO	00700	05.46	35.00	27.64	00.776	1484.4							
19.0	OBS	00742	05.24	34.997	27.67		1484.2							
	STO	00800	04.77	34.96	27.69	00.829	1483.2							
	STO	00900	04.12	34.90	27.72	00.878	1482.3							
19.0	OBS	T00929	03.97	34.890	27.72		1481.9							
19.0	OBS	T01397	03.03	34.925	27.77		1485.2							

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REFID	31	2705	YEAR 1975	BOTOP 02840	AIR TEMP	15.0	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SO 1307
CONSEC		0009	MONTH 11	SHIP HT	WET BULB	12.8	27 2 4	WIND-SPD 13	TRACE DIR	5 SQUARE 1
LAT	40 50	N	DAY 21	DATA USE 1	BARCMETR 1023.7		SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG	050 10	W	HOUR 22.0	AREA 05	CLOUD T/A	8/1	CL/TR	WEATHER A0	ORIG A4 03305	3 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	16.35	35.38	25.97	00.000	1512.0							
22.0	OBS	00000	16.35	35.375	25.97		1512.0							
	STO	00010	16.33	35.38	25.98	00.020	1512.2							
	STO	00020	16.32	35.38	25.98	00.041	1512.3							
22.0	OBS	00025	16.31	35.377	25.98		1512.3							
	STO	00030	16.42	35.43	26.00	00.061	1512.8							
	STO	00050	16.67	35.57	26.05	00.101	1514.1							
22.0	OBS	00050	16.67	35.570	26.05		1514.1							
	STO	00075	16.60	35.57	26.06	00.151	1514.3							
22.0	OBS	00075	16.60	35.568	26.06		1514.3							
	STO	00100	16.68	35.58	26.06	00.201	1514.9							
22.0	OBS	00100	16.68	35.584	26.06		1514.9							
	STO	00125	16.34	35.53	26.09	00.250	1514.3							
	STO	00150	15.95	35.47	26.14	0C.299	1513.4							
22.0	OBS	00150		35.469										
	STO	00200	14.97	35.94	26.72	00.382	1511.7							
22.0	OBS	T00205	14.86	35.959	26.76		1511.5							
	STO	00250	13.54	35.73	26.86	00.445	1507.7							
	STO	00300	12.26	35.53	26.97	00.510	1504.0							
22.0	OBS	00304	12.17	35.516	26.98		1503.7							
	STO	00400	10.34	35.34	27.17	00.618	1498.6							
22.0	OBS	T00404	10.26	35.327	27.18		1498.4							
	STO	C0500	08.28	35.11	27.34	00.710	1492.4							
22.0	OBS	T00505	08.12	35.102	27.36		1491.9							
	STO	00600	06.73	35.06	27.52	00.785	1487.9							
22.0	OBS	00608	06.63	35.053	27.53		1487.7							
	STO	00700	05.65	35.03	27.62	00.847	1486.0							
	STO	00800	05.17	35.01	27.68	00.902	1484.9							
22.0	OBS	T00808	05.12	35.005	27.65		1484.8							
	STO	00900	04.71	34.98	27.71	00.953	1484.7							
	STO	01000	04.36	34.95	27.73	01.002	1484.8							
22.0	OBS	T01012	04.32	34.940	27.73		1484.9							
22.0	OBS	T01521	03.93	34.948	27.77		1491.8							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

N O O C   S T A T I O N   D A T A

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FEFIC  31  2705     YEAR 1575    BOTOP 04076    AIR TEMP   17.8    OIR HGT PER    WIND-OIR 12    INST NANSEN CAST    TEN SO 1307
CONSEC     0010     MONTH  11    SHIP HT           WET BULB   16.1    28  2   A    WIND-SPD 10    TRACE OIR           5 SQUARE  1
LAT    40 21  N     DAY    22    DATA USE  1    BARCMETR 1028.4    SEA            WIND-FOR       DURATION            2 SQUARE 00
LONG   050 20  W    HOUR 01.6    AREA      05    CLCUO T/A   X/2    CL/TR          WEATHER  X1    ORIG A4 03310       1 SQUARE 00
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	18.32	35.64	25.70	00.000	1518.2							
01.6	OBS	00000	18.32	35.637	25.70		1518.2							
	STD	00010	18.34	35.63	25.69	00.023	1518.4							
	STD	00020	18.36	35.63	25.68	00.046	1518.6							
01.6	OBS	00024	18.36	35.631	25.68		1518.7							
	STD	00030	18.37	35.63	25.68	00.070	1518.8							
01.6	OBS	00048	18.37	35.632	25.68		1519.1							
	STD	00050	18.37	35.64	25.68	00.112	1519.1							
01.6	OBS	00072	18.34	35.629	25.69		1519.4							
	STD	00075	18.15	35.56	25.65	00.174	1518.8							
01.6	OBS	00095	17.14	35.390	25.80		1516.0							
	STD	00100	17.10	35.52	25.91	00.230	1516.1							
	STD	00125	16.93	36.01	26.32	00.275	1516.6							
01.6	OBS	00143	16.80	36.175	26.48		1516.7							
	STD	00150	16.40	36.11	26.53	00.320	1515.6							
01.6	OBS	T00196	14.28	35.765	26.75		1509.3							
	STD	00200	14.21	35.77	26.76	00.393	1509.1							
	STD	00250	13.30	35.63	26.84	00.460	1506.8							
01.6	OBS	TC0290	12.49	35.537	26.93		1504.6							
	STD	00300	12.25	35.52	26.96	00.521	1503.9							
01.6	OBS	T00385	10.25	35.356	27.21		1458.1							
	STD	00400	09.78	35.29	27.23	00.627	1456.5							
01.6	OBS	T00465	07.90	35.051	27.35		1450.6							
	STD	00500	07.84	35.07	27.37	00.714	1450.6							
01.6	OBS	T00560	07.37	35.11E	27.48		1490.2							
	STD	00600	07.08	35.10	27.50	00.788	1489.4							
	STD	00700	05.90	35.02	27.60	00.852	1486.2							
01.6	OBS	00770	05.31	34.987	27.65		1485.0							
	STD	00800	05.21	34.99	27.66	00.909	1485.1							
	STD	00900	04.91	34.99	27.70	00.962	1485.5							
01.6	OBS	00965	04.74	34.984	27.71		1485.5							
01.6	OBS	T01450	04.08	34.950	27.76		1491.2							

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REFIC  31  2705     YEAR 1575    BOTOP 03970    AIR TEMP   17.8    OIR HGT PER    WIND-OIR 12    INST NANSEN CAST    TEN SO 1207
CONSEC     0011     MONTH  11    SHIP HT           WET BULB   16.1    28  2   3    WIND-SPD 10    TRACE OIR           5 SQUARE  3
LAT    35 48  N     DAY    22    DATA USE  1    BARCMETR 1028.4    SEA            WIND-FOR       DURATION            2 SQUARE 80
LONG   050 18  W    HOUR 06.0    AREA      05    CLOUD T/A   X/6    CL/TR          WEATHER  X1    ORIG A4 03311       1 SQUARE 90
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CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	17.56	35.51	25.79	00.000	1515.8							
06.0	OBS	00000	17.56	35.510	25.79		1515.8							
	STD	00010	17.36	35.47	25.80	00.022	1515.5							
	STD	00020	17.23	35.44	25.81	00.044	1515.1							
06.0	OBS	00024	17.19	35.428	25.81		1515.0							
	STD	00030	17.20	35.43	25.81	00.066	1515.1							
06.0	OBS	00048	17.20	35.426	25.81		1515.4							
	STD	00050	17.19	35.43	25.81	00.110	1515.5							
06.0	OBS	00073	17.16	35.434	25.83		1515.7							
	STD	00075	17.17	35.43	25.82	00.166	1515.8							
06.0	OBS	00097	17.19	35.428	25.81		1516.2							
	STD	00100	17.17	35.43	25.82	00.221	1516.2							
	STD	00125	16.93	35.43	25.88	00.276	1515.9							
06.0	OBS	00146		35.431										
	STD	00150	16.65	35.50	25.99	00.325	1515.6							
06.0	OBS	T00198	15.58	36.034	26.56		1515.0							
	STD	00200	15.55	36.03	26.57	00.415	1514.9							
	STD	00250	15.03	35.94	26.71	00.493	1512.7							
06.0	OBS	00295	14.10	35.823	26.82		1510.4							
	STD	00300	13.98	35.80	26.83	00.562	1510.0							
06.0	OBS	T00391	11.75	35.472	27.02		1503.6							
	STD	00400	11.53	35.44	27.04	00.684	1502.8							
06.0	OBS	T00493	09.26	35.184	27.24		1496.0							
	STD	00500	09.13	35.18	27.25	00.786	1455.6							
06.0	OBS	00590	07.63	35.091	27.42		1451.3							
	STD	00600	07.52	35.09	27.44	00.871	1451.1							
	STD	00700	06.56	35.09	27.57	00.940	1489.0							
06.0	OBS	T00783	05.90	35.051	27.66		1487.7							
	STD	00800	05.79											
	STD	00900	05.23											
06.0	OBS	T00981	04.85											
06.0	OBS	01473	04.14											

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2705	YEAR 1975	BOTOP 05222	AIR TEMP 22.6	DIR HGT PER	WIND-DIR 20	INST HANSEN CAST	TEN SD 1207
CONSEC 3012	MONTH 11	SHIP HT	WET BULB 20.0	20 2 X	WIND-SPD 24	TRACE DIR	5 SQUARE 3
LAT 39 20 N	DAY 22	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FOR	DURATION	2 SQUARE 80
LONG 053 20 W	HOUR 09.5	AREA D5	CLOUD T/A 8/7	CL/TR	WEATHER X1	ORIG A4 03312	1 SQUARE 9D

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO5	PH
	STD	00000	22.19	36.32	25.15	00.000	1529.4							
09.5	OBS	00000	22.19	36.321	25.19		1529.4							
	STD	00010	22.23	36.32	25.18	00.028	1529.7							
	STD	00020	22.24	36.33	25.18	00.056	1525.9							
09.5	OBS	00024	22.24	36.327	25.18		1530.0							
	STD	00030	22.22	36.33	25.18	00.084	1530.0							
09.5	OBS	00048	22.17	36.326	25.20		1530.2							
	STD	00050	22.14	36.32	25.20	00.140	1530.1							
09.5	OBS	00071	21.87	36.295	25.26		1529.8							
	STD	00075	21.83	36.30	25.27	00.209	1529.7							
09.5	OBS	00096	21.54	36.532	25.58		1529.4							
	STD	00100	21.44	36.36	25.43	00.276	1529.2							
	STD	00125	20.81	36.51	25.72	00.338	1528.1							
09.5	OBS	00142	20.41	36.571	25.87		1527.4							
	STD	00150	20.21	36.56	25.91	00.394	1527.0							
09.5	OBS	T00195	19.27	36.502	26.12		1525.1							
	STD	00200	19.22	56.50	26.13	00.497	1525.0							
	STD	C0250	18.69	36.48	26.25	00.553	1524.4							
09.5	OBS	T00287	18.27	36.457	26.34		1523.7							
	STD	00300	18.12	36.45	26.37	00.683	1523.5							
09.5	OBS	T00378	17.11	36.338	26.53		1521.7							
	STD	00400	16.68	36.30	26.56	00.853	1521.3							
09.5	OBS	T00473	15.68	36.102	26.69		1518.6							
	STD	00500	14.93	35.97	26.75	01.007	1516.6							
09.5	OBS	T00560	13.37	35.714	26.89		1512.2							
	STD	00600	12.41	35.57	26.97	01.142	1509.4							
	STD	00700	10.23	35.30	27.16	01.257	1503.1							
09.5	OBS	T00727	09.70	35.243	27.21		1501.6							
	STD	00800	08.37	35.15	27.36	01.355	1497.7							
09.5	OBS	00865	06.54	35.065	27.50		1493.6							
	STD	00900	06.51	35.06	27.50	01.435	1493.6							
	STD	01000	06.34	35.05	27.57	01.506	1493.0							
	STD	01100	05.78	35.03	27.63	01.571	1492.4							
	STD	01200	05.21	35.02	27.69	01.630	1491.8							
09.5	OBS	T01283	04.74	35.004	27.73		1491.2							

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REFID 31 2705	YEAR 1975	BOTOP 05221	AIR TEMP 20.5	DIR HGT PER	WIND-DIR 17	INST HANSEN CAST	TEN SD 1207
CONSEC 0013	MONTH 11	SHIP HT	WET BULB 18.3	29 0 2	WIND-SPD 11	TRACE DIR	5 SQUARE 3
LAT 38 50 N	DAY 22	DATA USE 1	BAROMETR 1030.1	SEA	WIND-FOR	DURATION	2 SQUARE 80
LONG 050 20 W	HOUR 12.9	AREA D5	CLOUD T/A 6/4	CL/TR	WEATHER X1	ORIG A4 03313	1 SQUARE 80

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	21.49	36.41	25.45	00.000	1527.8							
12.9	OBS	00000	21.49	36.414	25.45		1527.8							
	STD	00010	21.49	36.42	25.46	00.025	1527.9							
	STD	00020	21.49	36.42	25.46	00.051	1528.1							
12.9	OBS	00023	21.49	36.421	25.46		1528.1							
	STD	00030	21.48	36.42	25.46	00.076	1528.2							
12.9	OBS	00047	21.45	36.423	25.47		1528.4							
	STD	00050	21.43	36.42	25.48	00.127	1528.4							
12.9	OBS	00070	21.36	36.427	25.50		1528.6							
	STD	00075	21.36	36.43	25.50	00.190	1528.7							
12.9	OBS	00094	21.35	36.434	25.51		1529.0							
	STD	00100	21.19	36.45	25.56	00.252	1528.7							
	STD	00125	20.54	36.49	25.77	00.312	1527.4							
12.9	OBS	00142	20.12	36.500	25.89		1526.5							
	STD	00150	19.69	36.49	25.55	00.367	1526.1							
12.9	OBS	00192	18.94	36.457	26.17		1524.1							
	STD	00200	18.87	36.45	26.18	00.468	1524.0							
	STD	00250	18.51	36.44	26.26	00.562	1523.6							
12.9	OBS	00286	18.28	36.427	26.31		1523.7							
	STD	00300	18.23	36.42	26.32	00.654	1523.8							
12.9	OBS	T00379	17.85	36.390	26.39		1523.9							
	STD	00400	17.71	36.39	26.42	00.832	1523.9							
12.9	OBS	T00478	17.15	36.345	26.52		1523.6							
	STD	00500	17.07	36.34	26.54	01.003	1523.6							
12.9	OBS	00571	16.55	36.261	26.61		1523.1							
	STD	00600	16.02	36.20	26.69	01.165	1521.9							
	STD	00700	14.24	35.99	26.91	01.310	1517.7							
12.9	OBS	00758		35.847										
	STD	00800	12.61	35.71	27.04	01.440	1513.6							
	STD	00900	11.08	35.43	27.12	01.561	1509.6							
12.9	OBS	T00950	10.35	35.316	27.16		1507.7							
12.9	OBS	T01426	04.02	35.007	27.72		1494.0							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2705	YEAR 1975	BOTOP 05240	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 19	INST NANSEN CAST	TEN SO 1207
CONSEC 0014	MONTH 11	SHIP HT	WET BULB 18.3	19 0 2	WIND-SPD 10	TRACE DIR	S SQUARE 3
LAT 38 20 N	DAY 22	DATA USE 1	BAROMETR 1028.4	SEA	WIND-FOR	DURATION	2 SQUARE 80
LONG 050 20 W	HOUR 16.6	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER A1	ORIG A4 03314	1 SQUARE 80

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	21.64	36.39	25.39	00.000	1528.1							
16.6	OBS	00000	21.64	36.391	25.39		1528.1							
	STD	00010	21.65	36.39	25.39	00.026	1528.3							
	STD	00020	21.66	36.39	25.39	00.052	1528.5							
16.6	OBS	00025	21.66	36.390	25.39		1528.6							
	STD	00030	21.65	36.40	25.40	00.078	1528.7							
	STD	00050	21.63	36.44	25.43	00.130	1529.0							
16.6	OBS	00050	21.63	36.438	25.43		1529.0							
	STD	00075	21.46	36.44	25.48	00.194	1528.9							
16.6	OBS	00075	21.46	36.438	25.48		1528.9							
	STD	00100	21.48	36.44	25.48	00.257	1529.4							
16.6	OBS	00100	21.48	36.442	25.48		1529.4							
	STD	00125	20.31	36.45	25.81	00.317	1526.7							
16.6	OBS	00149	19.51	36.460	26.02		1524.9							
	STD	00150	19.50	36.46	26.03	00.371	1524.9							
	STD	C0200	18.92	36.46	26.17	00.470	1524.1							
16.6	OBS	T00203	18.89	36.455	26.18		1524.1							
	STD	00250	18.57	36.45	26.26	00.565	1524.0							
	STD	00300	18.28	36.45	26.32	00.657	1524.0							
16.6	OBS	T00301	18.28	36.445	26.33		1524.0							
16.6	OBS	T00359	17.92	36.425	26.40		1524.5							
	STD	00400	17.92	36.42	26.40	00.836	1524.5							
	STD	C0500	17.50	36.38	26.47	01.012	1524.5							
16.6	OBS	T00500	17.50	36.380	26.47		1524.9							
16.6	OBS	T00596	16.61	36.300	26.57		1524.3							
	STD	C0600	16.76	36.29	26.58	01.182	1524.3							
	STD	00700	15.52	36.10	26.72	01.342	1521.9							
16.6	OBS	T00766	14.41	35.906	26.82		1519.5							
	STD	00800		35.66										
	STD	00900		35.57										
16.6	OBS	00978		35.385										
16.6	OBS	T01441	04.84	35.034	27.74		1494.3							

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REFID 31 2705	YEAR 1975	BOTOP 03722	AIR TEMP 21.1	DIR HGT PER	WIND-DIR 17	INST NANSEN CAST	TEN SO 1207
CONSEC 0015	MONTH 11	SHIP HT	WET BULB 17.8	18 1 3	WIND-SPD 18	TRACE DIR	S SQUARE 3
LAT 37 50 N	DAY 22	DATA USE 1	BAROMETR 1028.1	SEA	WIND-FOR	DURATION	2 SQUARE 60
LONG 050 20 W	HOUR 20.0	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER A1	ORIG A4 03315	1 SQUARE 70

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	22.15	36.41	25.26	00.000	1529.4							
20.0	OBS	00000	22.15	36.407	25.26		1529.4							
	STD	00010	22.15	36.41	25.26	00.027	1529.6							
	STD	00020	22.15	36.41	25.26	00.054	1529.8							
20.0	OBS	00023	22.15	36.406	25.26		1529.8							
	STD	00030	22.11	36.40	25.27	00.082	1529.8							
20.0	OBS	00046	22.03	36.404	25.29		1529.9							
	STD	00050	22.02	36.40	25.30	00.136	1529.9							
20.0	OBS	00069	21.98	36.406	25.31		1530.1							
	STD	00075	22.00	36.41	25.30	00.203	1530.3							
20.0	OBS	00092	22.00	36.407	25.31		1530.6							
	STD	00100	21.89	36.43	25.35	00.271	1530.4							
	STD	00125	21.53	36.49	25.50	00.336	1530.0							
	STD	00150	21.15	36.53	25.64	00.398	1529.5							
20.0	OBS	T00189	20.50	36.562	25.84		1528.4							
	STD	00200	20.23	36.55	25.90	00.513	1527.9							
	STD	00250	19.21	36.49	26.13	00.617	1525.8							
20.0	OBS	T00280	18.75	36.465	26.22		1525.0							
	STD	00300	18.60	36.47	26.26	00.714	1524.9							
20.0	OBS	T00371	18.10	36.444	26.37		1524.6							
	STD	00400	17.98	36.44	26.40	00.896	1524.7							
20.0	OBS	T00466	17.45	36.386	26.48		1524.4							
	STD	C0500	17.13	36.33	26.52	01.070	1523.8							
20.0	OBS	T00560	16.40	36.215	26.61		1522.4							
	STD	00600	15.80	36.12	26.67	01.233	1521.1							
	STD	00700	14.34	35.88	26.81	01.384	1517.9							
20.0	OBS	00743	13.72	35.782	26.87		1516.4							
	STD	00800		35.65										
	STD	00900		35.44										
20.0	OBS	00931		35.390										
	STD	01400	05.14	35.06	27.73		1494.9							
20.0	OBS	T01400	05.14	35.060	27.73		1494.9							

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TABLE IV. USCGC HAMILTON, November, 1977.—Continued

NODC STATION DATA

REFID 31 2735		YEAR 1975	BOTOP 04755	AIR TEMP 21.1		DIR HGT PER	WIND-DIR 14	INST HANSEN CAST				TEN SQ 1207		
CONSEC 0016		MONTH 11	SHIP HT	WET BULB 18.3		15 1 5	WIND-SPC 07	TRACE DIR				5 SQUARE 3		
LAT 37 20 N		DAY 23	DATA USE 1	BAROMETR 1028.8		SEA	WIND-FOR	DURATION				2 SQUARE 80		
LONG 050 20 W		HOUR 00.9	AREA 05	CLOUD T/A X/5		CL/TR	WEATHER X1	ORIG 44 03316				1 SQUARE 70		

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	22.24	36.45	25.27	00.000	1529.7							
00.9	OBS	00000	22.24	36.447	25.27		1529.7							
	STD	00010	22.26	36.44	25.26	00.027	1529.9							
	STD	00020	22.27	36.44	25.26	00.054	1530.1							
00.9	OBS	00024	22.27	36.443	25.26		1530.2							
	STD	00030	22.27	36.44	25.26	00.082	1530.3							
00.9	OBS	00049	22.27	36.444	25.26		1530.6							
	STD	00050	22.27	36.44	25.26	00.137	1530.6							
	STD	00075	22.29	36.44	25.25	00.205	1531.1							
00.9	OBS	00098	22.31	36.441	25.24		1531.5							
	STD	00100	22.24	36.44	25.27	00.274	1531.3							
	STD	00125	21.37	36.46	25.52	00.340	1529.5							
	STD	00150	20.62	36.48	25.74	00.401	1528.0							
	STD	00200	19.47	36.49	26.05	00.505	1525.7							
00.9	OBS	00200	19.47	36.485	26.05		1525.7							
	STD	00250	19.01	36.47	26.16	00.605	1525.2							
00.9	OBS	00258	18.60	36.454	26.25		1524.6							
	STD	00300	18.59	36.45	26.25	00.705	1524.8							
00.9	OBS	T00396	17.85	36.404	26.40		1524.2							
	STD	00400	17.82	36.40	26.41	00.887	1524.2							
00.9	OBS	T00499	16.94	36.291	26.54		1523.1							
	STD	00500	16.93	36.29	26.54	01.059	1523.1							
00.9	OBS	T00597	15.55	36.079	26.65		1520.4							
	STD	00600	15.53	36.07	26.69	01.220	1520.2							
	STD	00700	13.63	35.78	26.85	01.366	1515.4							
00.9	OBS	T00793	11.94	35.561	27.05		1511.0							
	STD	00800	11.80	35.55	27.07	01.494	1510.6							
	STD	00900	09.99	35.36	27.26	01.605	1505.6							
00.9	OBS	00955	08.50	35.221	27.39		1501.5							
00.9	OBS	T01458	04.52	35.016	27.76		1493.9							

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